

McGraw
1-7
2011

Sampling Plan
Pre-CERCLIS Screening
McGraw Auto Salvage Site
Jasper County
EPA ID. SCS 123 456 834

Prepared By: Christopher Bartley
Site Assessment Section
Bureau of Land & Waste Management
South Carolina Department of Health & Environmental Control
2600 Bull Street
Columbia, SC 29201



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1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Site Assessment Section, South Carolina Department of Health & Environmental Control (SC DHEC) will conduct a Pre-CERCLIS Screening at the McGraw Auto Salvage site in Jasper County, South Carolina.

1.1 Objectives / Site Management Strategy

The Pre-CERCLIS Screening will include collecting source samples to determine possible types and concentrations of hazardous substances onsite and collecting (media) samples to investigate the migration of hazardous substances from the site. The information gathered from this investigation will be used to decide if the site will be ranked by the Hazardous Ranking System (HRS) or managed by some other means. The main focus of this sampling event will be to investigate the site's potential impact to groundwater onsite and wetland ecosystems adjacent to the site.

1.2 Permits and Authorization Requirements

Permission to sample will be obtained from the current property owner, Mr. Hal McGraw.

1.3 Schedule of Activities

Sampling activities are scheduled for the week of September 13, 2004.

1.4 Personnel

SCDHEC Project Manager: Christopher Bartley
SCDHEC Safety Officer: F.M. Carns
SCDHEC Sampling Team: SC DHEC Site Assessment

2.0 SITE INFORMATION

2.1 Location

The site is located approximately 3 – 4 miles south of Hardeeville, South Carolina, along the eastern side US Highway 17 in Jasper County.

Directions: From the SC DHEC offices at 8901 Farrow Rd., turn south. At the intersection of Farrow Rd. and Interstate 77, turn south onto interstate 77 (towards Charleston). After approximately 19 miles, at the intersection of Interstate 77 and Interstate 26, take Interstate 26 east (towards Charleston) until the intersection of Interstate 26 and Interstate 95. Take Interstate

95 south (towards Savannah) until Exit 5 (US Hwy. 17). Take Hwy. 17 south (towards Savannah) for approximately 3 to 4 miles, McGraw Auto Salvage is on the left.

Coordinates: 32° 13' 25.33"N
81° 4' 19.00" W

Vicinity Map: See Attached

2.2 History / Site Description

US Highway 17 borders the property on the west. The site is surrounded on all sides by woodlands. Two (2) ponds are located on the eastern side of this active auto salvage operation. One pond is a small (<0.25 acres), overgrown, former oxidation pond. The other is a dug pond (≤0.5 acres; constructed circa 1994) used by the owner and his family for fishing. Approximately 100 ft. downgradient (east) from these two ponds is a wetland area. Although the surrounding areas are otherwise sparsely populated, the owner's residence is onsite and utilizes drinking water from a private well.

This active auto salvage site, called McGraw's Auto Salvage (formerly Roy's Carolina Tank Cleaning) is currently owned and operated by Mr. Hal McGraw. From 1975 to 1979, a chemical transport company, called Chemical Leaman, steam-cleaned the inside of tanker trailers that were used to transport various bulk chemicals. The wastewater was discharged to the sand oxidation pond.

2.3 Waste Characteristics

According to a site discovery form dated 3-1-95, over the four years of operation, approximately 600,000 pounds of tanker rinse waters were discharged into the oxidation pond. Surface sediments from the pond were sampled and analyzed for organics in June 1995. The following compounds were found in the sediment sample: phenanthrene at 311 ppb, anthracene at 10,400 ppb, and bis (2-ethylhexyl) phthalate at 1390 ppb. The private well at the McGraw residence (located onsite) was also sampled in June 1995. All organic constituents in this sample were below detection limits. A memorandum from the SC DHEC Bureau of Water dated January 27, 1998, indicates that this site may also be contaminated with petroleum products.

2.4 Environmental Pathways

2.4.1 Groundwater Pathway

This site is in the Lower Savannah River Sub-Basin. Drinking water wells in this area generally tap the Tertiary Limestone Aquifer System, the shallowest confined aquifer in the area. The formations in this aquifer system are Castle Hayne Limestone, McBean, and Santee Limestones (State Water Assessment, 1983).

The onsite private well characteristics (according to the owner) are: 12-inch diameter, 600-foot depth. This well appears to be upgradient from the oxidation pond, and previous

sampling in 1995 revealed no contamination. However, additional sampling is proposed for this well to ensure that contamination is not present today. ✓

2.4.2 Surface Water Pathway ✱

Surface water run-off on this site pools in the oxidation pond and the adjacent dug pond. ✓ A series of ditches handle run-off from the salvage lots. Exact reservoir residence times cannot be determined. However, average annual precipitation in the area is 51.03 in./y, and surface water evaporation rates in the area are 48.8 in./y. Thus, net flux is approximately 2.2 inches per ✓ year.

When the oxidation pond is filled to capacity, discharge is directed through a spillway downgradient toward the wetland. A surface water sample of the oxidation pond taken in 1995 revealed no contamination. Further sampling of surface water is not planned for this site. During the 1995 sampling event, SC DHEC personnel noted a white precipitant in surface sediments in the oxidation pond. Results of a surface *sediment* sample taken from the oxidation pond at that time demonstrated phenanthrene at 311 ppb, anthracene at 10,400 ppb, and bis (2-ethylhexyl) phthalate at 1390 ppb. Further sediment sampling is proposed for the oxidation pond.

2.4.3 Soil Exposure and Air Pathways

During the 1995 sampling event, diesel-like odors were noted from a depth of approximately 1.5 feet to a depth of approximately 5 feet below surface in a cross gradient soil-boring. Soil samples are proposed below the spillway and in the downgradient wetland area in order to characterize both the extent of the contamination and possible deleterious effects to sensitive wetland communities. No air samples are recommended for this site.

3.0 PROPOSED SAMPLING

See Figure 2: Proposed Sample Map (Attached)

3.1 Location / Rationale

Table 1: Proposed Samples, McGraw Auto Salvage Site

Sample Type	Sample Number	Location/ Rationale
Groundwater	MG-001-GW	Location: McGraw private drinking water well Rationale: To determine the presence or absence of hazardous substances in drinking water well.
Sediment	MG-002-SE	Location: Surface Sediments of oxidation pond Rationale: To determine the presence or absence of hazardous substances in the pond.
Surface Soil	MG-003-SO	Location: Upgradient surface soils of wetland Rationale: Control/Background for wetland
Surface Soil	MG-004-SO	Location: Downgradient surface soils in wetland Rationale: To determine the presence or absence of hazardous substances in the wetland.
Surface Soil	MG-005-SO	Location: Downgradient surface soils in wetland Rationale: To determine the presence or absence of hazardous substances in the wetland.
Sediment	MG-006-SE	Location: Surface Sediments of dug pond Rationale: To determine the presence or absence of hazardous substances in the pond.

3.2 Analytical Parameters Requested

Samples from all media will be analyzed for parameters listed in the EPA Target Compound List (TCL) and the Target Analyte List (TAL).

3.3 Sampling Methodology

All sample collection, preservation, and chain of custody used during this investigation will be conducted in accordance with the Standard Operating Procedures found in the SCDHEC Bureau of Land & Waste Management Standard Operating Procedures (SOP), and the *USEPA, Region 4, Science and Ecosystem Support Division, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, November 2001*. Investigation Derived Waste will be handled according to SCDHEC and USEPA Standard Operating Procedures.

4.0 DATA QUALITY OBJECTIVES

DQO Seven Steps	Relevant Section(s)
1. <u>State the Problem</u> The contamination problem is summarized in Sections 2.2 and 2.3. Personnel and additional resources for this investigation are outlined in Section 1.4. Site management strategy is discussed in Section 1.1.	1.1, 1.4, 2.2, 2.3
2. <u>Identify the Decision</u> The principal objective of this investigation is to provide analytical data to make site management decisions and possibly complete a Hazard Ranking System (HRS) score. Samples from the relevant pathways (surface water and soil) will be taken to document contaminant migration and define waste sources.	1.1
3. <u>Identify Inputs to the Decision</u> Environmental samples will be collected to and will provide analytical data for making site management decisions. Samples will be collected as noted in Section 3.1. Analytical methods appropriate to provide necessary data for this investigation are discussed in Section 3.2.	3.1, 3.2
4. <u>Define the Study Boundaries</u> Sampling activities have been scheduled as discussed in Section 1.3. Site characteristics and targeted populations are discussed in subsections of Section 2.0.	1.3, 2.1-2.4
3. <u>Develop a Decision Rule</u> Analytical detection limits have been chosen to provide data sufficient for site management decisions. This data will be applied to individual pathways of scoring scenarios and other pre-remedial concerns. Statistical (probabilistic) based sampling does not apply to this investigation.	3.1, 3.2
4. <u>Specify Limits on Decision</u> Does not apply because statistical (probabilistic) sampling is not a part of this investigation.	-
5. <u>Optimize the Design</u> Approval by USEPA Region IV Remedial Project Managers is required prior to resource allocation.	-

5.0 REFERENCES

1. United States Geological Survey, Topographical Maps
Limchouse Quadrangle, SC 7.5 Minutes revised 1980
2. South Carolina Water Resources Commission. South Carolina State Water
Assessment. SCWRC Report No. 140, September 1983.
3. <http://cfpub.epa.gov/surf/locate/index.cfm> USEPA Surf Your Watershed
4. http://www.dnr.state.sc.us/climate/sercc/climateinfo/historical/historical_sc.html
Historical Climate Summaries for South Carolina
5. http://www.dnr.state.sc.us/climate/sco/pan_evap.html Pan Evaporation Records for
the South Carolina Area

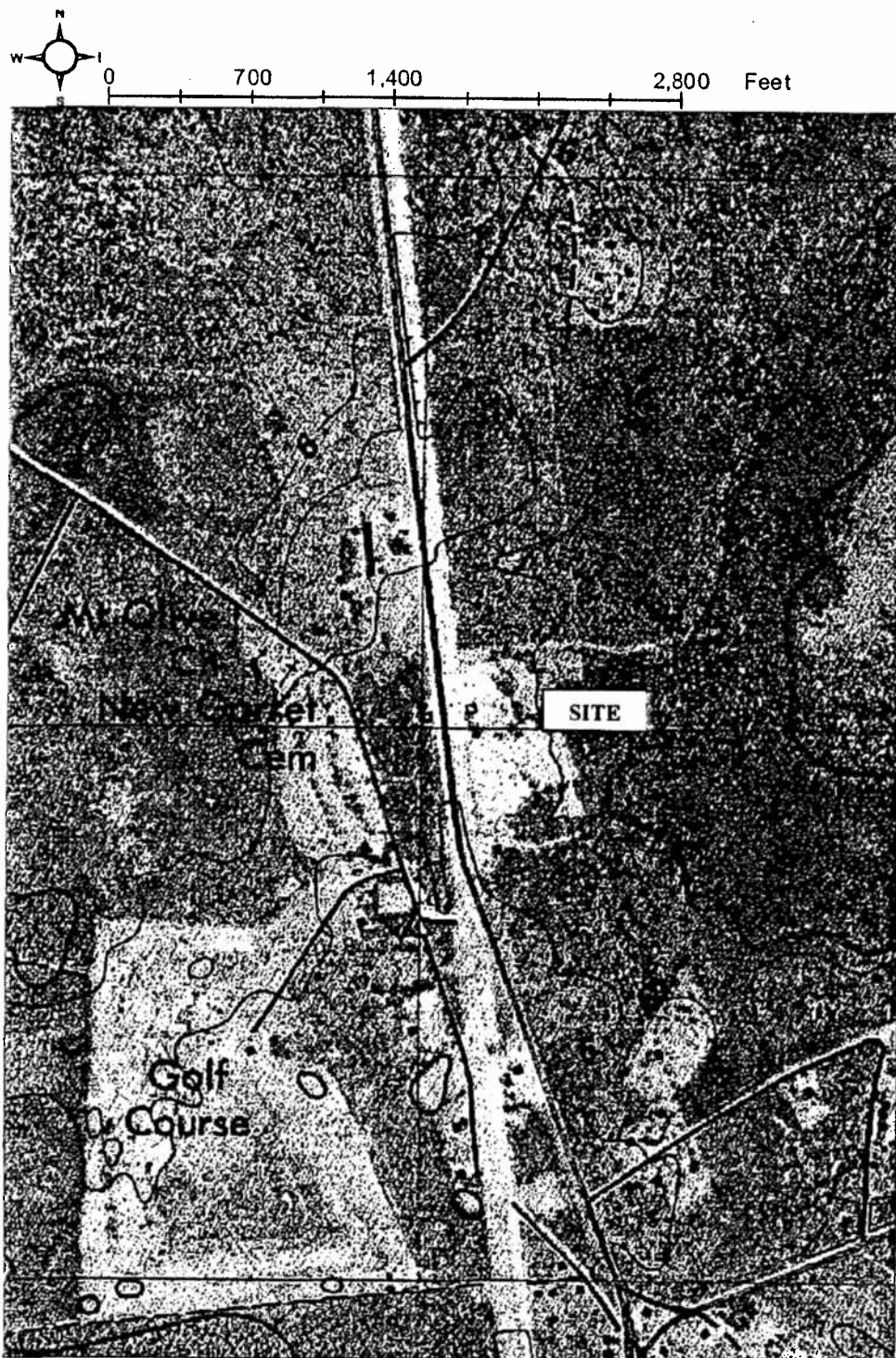


Figure 1: Topographic Map, McGraw Auto Salvage. note: scale is approximate

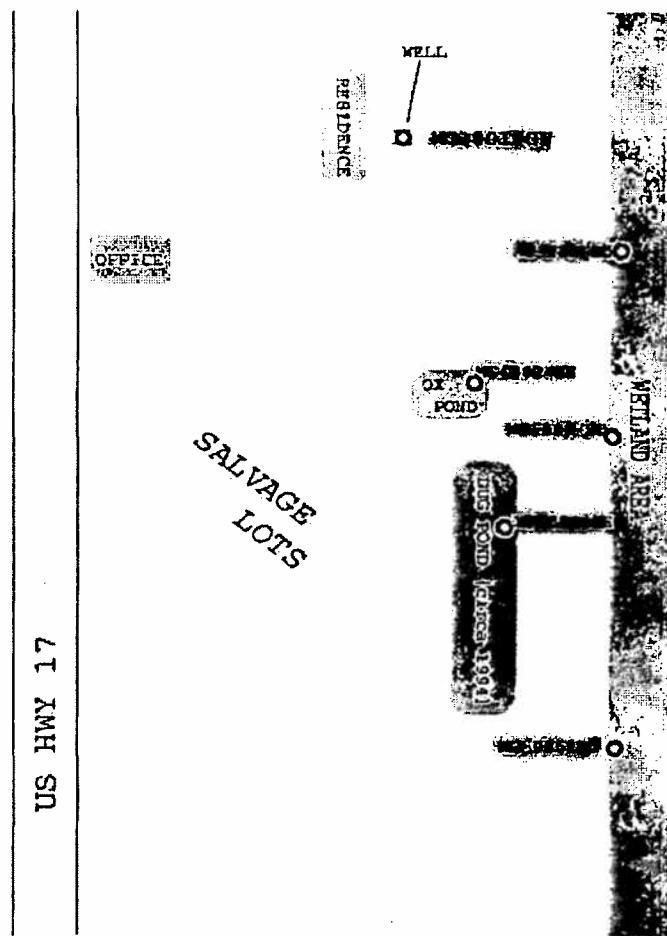


Figure 2: Proposed Sample Locations, McGraw Auto Salvage. note: drawing not to scale



2600 Bull Street
Columbia, SC 29201-1708

McGraw Auto Salvage
1.7
407

December 9, 2004

Mr. Bill Joyner
Superfund Site Evaluation Section
USEPA Region 4
61 Forsyth St SW
Atlanta GA 30303-8960

Dear Mr. Joyner:

The following report is enclosed:

Pre-CERCLIS Screening Expanded Report
McGRAW AUTO SALVAGE SITE
Jasper County
SCS 123 456 834
Not recommended for placement on CERCLIS

If you have any questions, please call me at (803)-896-4050.

Sincerely,

Elaine Rowell
Division of Site Assessment and
Remediation
Bureau of Land and Waste Management

Enclosure



10658664

Site: McGraw Auto
Date: 1.7
ID: 101.1

Pre-CERCLIS Screening
McGraw Auto Salvage Site
Jasper County
EPA ID. SCS 123 456 834

Prepared By: Christopher Bartley
Reviewed By: Jonathan McInnis
Site Assessment Section
Bureau of Land & Waste Management
South Carolina Department of Health & Environmental Control
2600 Bull Street
Columbia, SC 29201

December 8, 2004

I. SCOPE OF WORK

Under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Site Assessment Section of the South Carolina Department of Health and Environmental Control (SCDHEC) conducted a PreCERCLIS investigation of the McGraw Auto Salvage site in Jasper County, South Carolina. The scope of the investigation included a review of available file information, site reconnaissance, a sampling trip, and a target survey. As part of this investigation, a number of samples were collected from onsite surface water sediments, soils, an onsite drinking water well, and from potential sources. The primary objective of this investigation was to determine any impact(s) to nearby surface water, wetlands, and groundwater.

II. INTRODUCTION

McGraw's Auto Salvage (formerly Roy's Carolina Tank Cleaning) is an active auto salvage lot currently owned and operated by Mr. Hal McGraw. From 1975 to 1979, a chemical transport company, called Chemical Leaman, steam-cleaned the inside of tanker trailers that were used to transport various bulk chemicals. The wastewater was discharged to a sand oxidation pond.

Prior sampling in 1995 of this pond revealed PAH contamination in the sediments and surrounding soils. Further sampling activities were conducted during the week of September 13, 2004. Sediment, soil, and groundwater samples were collected as part of this investigation in order to evaluate potential wetland and drinking water targets. Analyses revealed no significant contamination. This site is not recommended for inclusion on CERCLIS. No further sampling is planned, and this site is recommended for No Further Remedial Action Planned (NFRAP).

III. SITE BACKGROUND AND HISTORY

A. Ownership History

Present Owner:	Hal McGraw
Contact:	Hal McGraw McGraw Auto Salvage Route 1 Box 250 Hardeeville, SC 29927 Phone: 843-784-6651
Previous Owners:	Roy McGraw

B. Description and Setting

The site is located approximately 3 – 4 miles south of Hardeeville, South Carolina, along the eastern side US Highway 17 in Jasper County (32° 13' 25.33"N; 81° 4' 19.00" W) (Ref. 16).

US Highway 17 borders the property on the west. The site is surrounded on all sides by woodlands. Two (2) ponds are located on the eastern side of this active auto salvage operation. One pond is a small (<0.25 acres), overgrown, former oxidation pond. The other is a dug pond (≤0.5 acres; constructed circa 1994) used by the owner and his family for fishing (Ref. 5). Approximately 100 ft. downgradient (east) from these to ponds is a wetland area. Although the surrounding areas are otherwise sparsely populated, the business and the owner's residence utilize an onsite drinking water well.

C. Process and Waste Disposal History

Over the four years of operation, approximately 600,000 pounds of tanker rinse waters were discharged into the oxidation pond (Ref. 13). Surface sediments from the pond were sampled and analyzed for organics in June 1995. The following compounds were found in the sediment sample: phenanthrene at 311 ppb, anthracene at 10,400 ppb, and bis (2-ethylhexyl) phthalate at 1390 ppb. The private well at the McGraw residence (located onsite) was also sampled in June 1995. All organic constituents in this sample were below detection limits (Ref. 8). A memorandum from the SC DHEC Bureau of Water dated January 27, 1998, indicates that this site may also be contaminated with petroleum products (Ref. 7).

IV. SOURCE CHARACTERIZATION

Analyses of the oxidation pond sediments reveal no significant contamination. Analytical results are presented in Appendix 1.

V. GROUNDWATER PATHWAY

A. Regional Characteristics

This site is in the Lower Savannah River Sub-Basin. Drinking water wells in this area generally tap the Tertiary Limestone Aquifer System, the shallowest confined aquifer in the area. The formations in this aquifer system are Castle Hayne Limestone, McBean, and Santee Limestones (Ref. 14). The site soil types are Coosaw on upland areas, with Santee and Yonges types in lowland/wetland areas. Coosaw soils are generally very deep, moderately well drained loamy fine sands. Santee-type soils are characteristically very poorly drained, slowly permeable

soils of the lower coastal plains. They formed in clayey marine sediment. The Yonges series consists of very deep, poorly drained, moderately slowly permeable soils that formed in thick loamy sediments on the lower Coastal Plain (Refs. 1, 15).

B. Groundwater Targets

Analysis of the onsite drinking water well showed no elevated levels of contaminants. Estimated residential population is sparse, with 18 people within 0.25 miles, and 41 within 0.5 miles. However, other than the onsite well, no other groundwater targets were identified. Analytical results are attached in Appendix 1.

VI. SURFACE WATER PATHWAY

A. Regional Characteristics

Average annual precipitation in the area is 51.03 in./y, and surface water evaporation rates in the area are 48.8 in./y. Thus, net flux is approximately 2.2 inches per year. The 2-year, 24-hour rainfall amount is 4.35 inches (Refs. 3,10,11). Again, site upland soils are moderately well drained, and site soils types in lowland areas are poorly drained.

Surface water run-off on this site pools in the oxidation pond and the adjacent dug pond. A series of ditches handle run-off from the salvage lots, and this run-off is directed to downgradient wetlands. When the oxidation pond is filled to capacity, discharge is directed through a spillway to the wetlands.

C. Surface Water Targets and Impacts

Surface water targets include the dug pond and downgradient wetlands. The dug pond is adjacent to the oxidation pond and is fished by the owner and his family. A surface water sample of the oxidation pond taken in 1995 revealed no contamination (Ref. 8). Further sampling of surface water was not conducted at this site. During the 1995 sampling event, SC DHEC personnel noted a white precipitant in surface sediments in the oxidation pond. Results of a surface sediment sample taken from the oxidation pond at that time demonstrated phenanthrene at 311 ppb, anthracene at 10,400 ppb, and bis (2-ethylhexyl) phthalate at 1390 ppb (Ref. 8). Sediment sampling was conducted in the oxidation pond, the dug pond, and in downgradient wetlands. No analyte was reported significantly above background values. Analytical results are attached in Appendix 1.

VII. SOIL EXPOSURE PATHWAY

Soil exposure pathway targets include site residents, workers, and downgradient wetlands. During the 1995 sampling event, diesel-like odors were noted from a depth of approximately 1.5 feet to a depth of approximately 5 feet below surface in a cross gradient soil-boring (Ref. 9). Soil samples were collected from below the spillway and near the downgradient wetland area in order to characterize both the presence of current contamination and possible deleterious effects to sensitive wetland communities. No analyte was reported significantly above background values. Analytical results are attached in Appendix 1. No air samples were collected at this site.

VIII. CONCLUSIONS AND RECOMMENDATIONS

Sediment, soil, and groundwater samples were collected as part of this investigation to evaluate potential wetland and drinking water targets. Analyses revealed no significant contamination. This site is not recommended for inclusion on CERCLIS. No further sampling is planned, and this site is recommended for No Further Remedial Action Planned (NFRAP).

IX. REFERENCES

- (1) ArcGIS State Soils Layer. *Available in SCDHEC Site Assessment Section.*
- (2) Aerial Photographs, Jasper County. 1971, 1979 Flights. *Available at University of South Carolina Cooper Library.*
- (3) EPA: Surf Your Watershed
<http://www.epa.gov/surf/>
- (4) EQC Projects Discovery Form dated 01/27/98: McGraw Auto Salvage Site
- (5) Field Logbooks for McGraw Auto Salvage, PreCERCLIS. *Available in SCDHEC Site Assessment Section*
- (6) Field Logbooks for McGraw Auto Salvage, SCDHEC Bureau of Water.
- (7) Memorandum, WPC Geohydrologic Section. To: Bureau of Water Pollution Control Files, From: Natalie Macke, dated 06/26/95.
- (8) Sample Results: McGraw Auto Salvage Site. collected 06/29/95. released 01/05/96.

- (9) Soil Boring Log dated 06/29/95: McGraw Auto Salvage Site
- (10) South Carolina Average Annual Pan Evaporation
http://water.dnr.state.sc.us/climate/sco/products/sc_evap.gif
- (11) SC DNR State Climatology Office
Index:
<http://www.dnr.state.sc.us/water/climate/sco/index.html>
Maximum Rainfall Intensities by County:
http://water.dnr.state.sc.us/climate/sco/pcp_ints.html#chart
- (12) SC State Budget & Control Board Office of Research & Statistics: SC Population Reports
http://www.ors2.state.sc.us/population/census00/town_pop.asp#towng
- (13) Site Discovery Form: Roy's Carolina Tank Cleaning. dated 03/01/95.
- (14) South Carolina Water Resources Commission. South Carolina State Water Assessment.
SCWRC Report No. 140, September 1983. *Available in SCDHEC Site Assessment Section*
- (15) USDA-NRCS Soil Survey Division: Official Soils Description Query
<http://ortho.ftw.nrcs.usda.gov/cgi-bin/osd/osdnamequery.cgi>
- (16) United States Geological Survey, Topographical Maps:
Limehouse & Hardeeville Quadrangles, SC. 7.5 Minutes. Revised 1980 & 1979 respectively

Figure 1: Site Topographic Map. Limehouse Quadrangle.

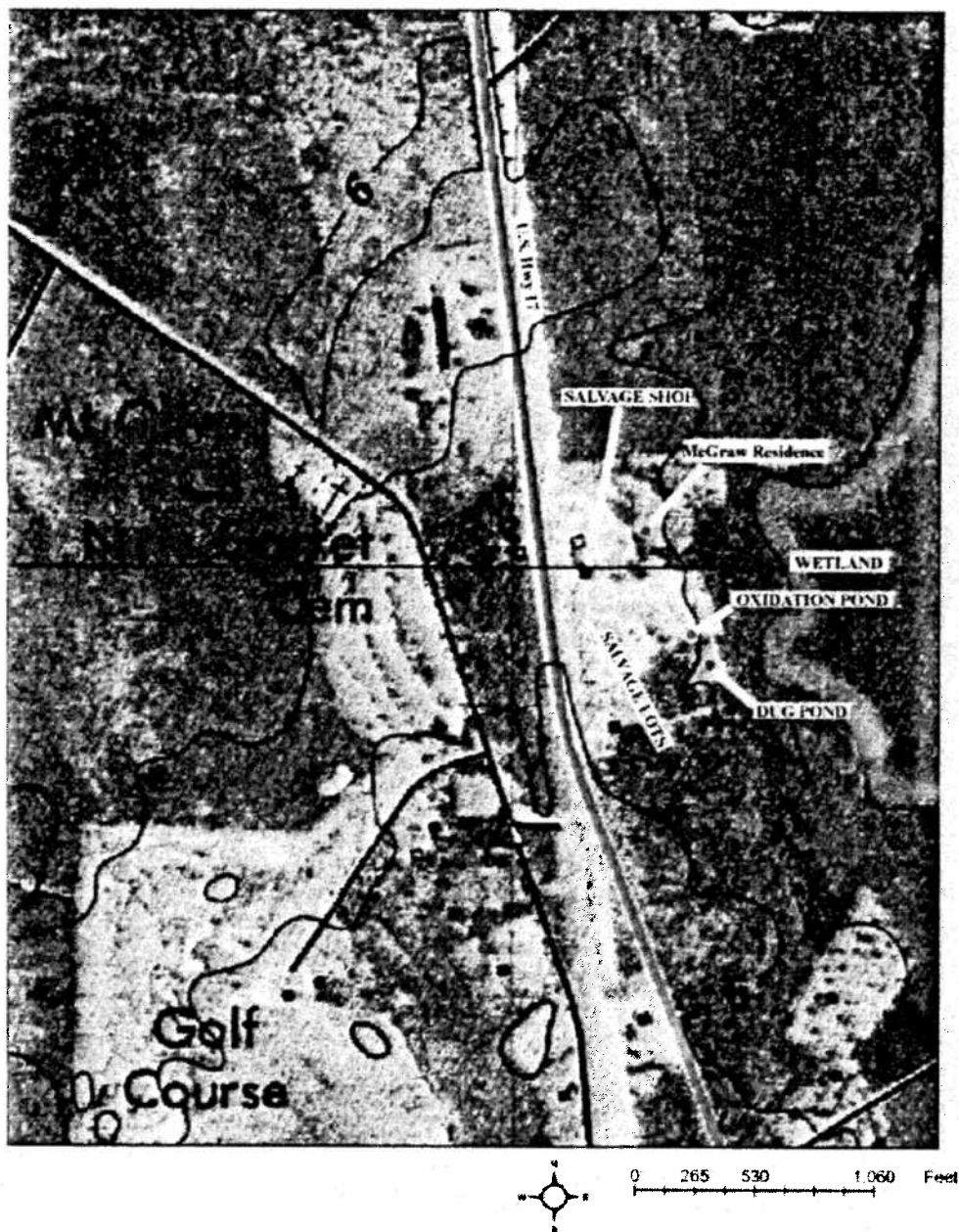


Figure 2: Site Groundwater, Sediment, and Soils Sample Location Map. Topographic Map. Limehouse Quadrangle.

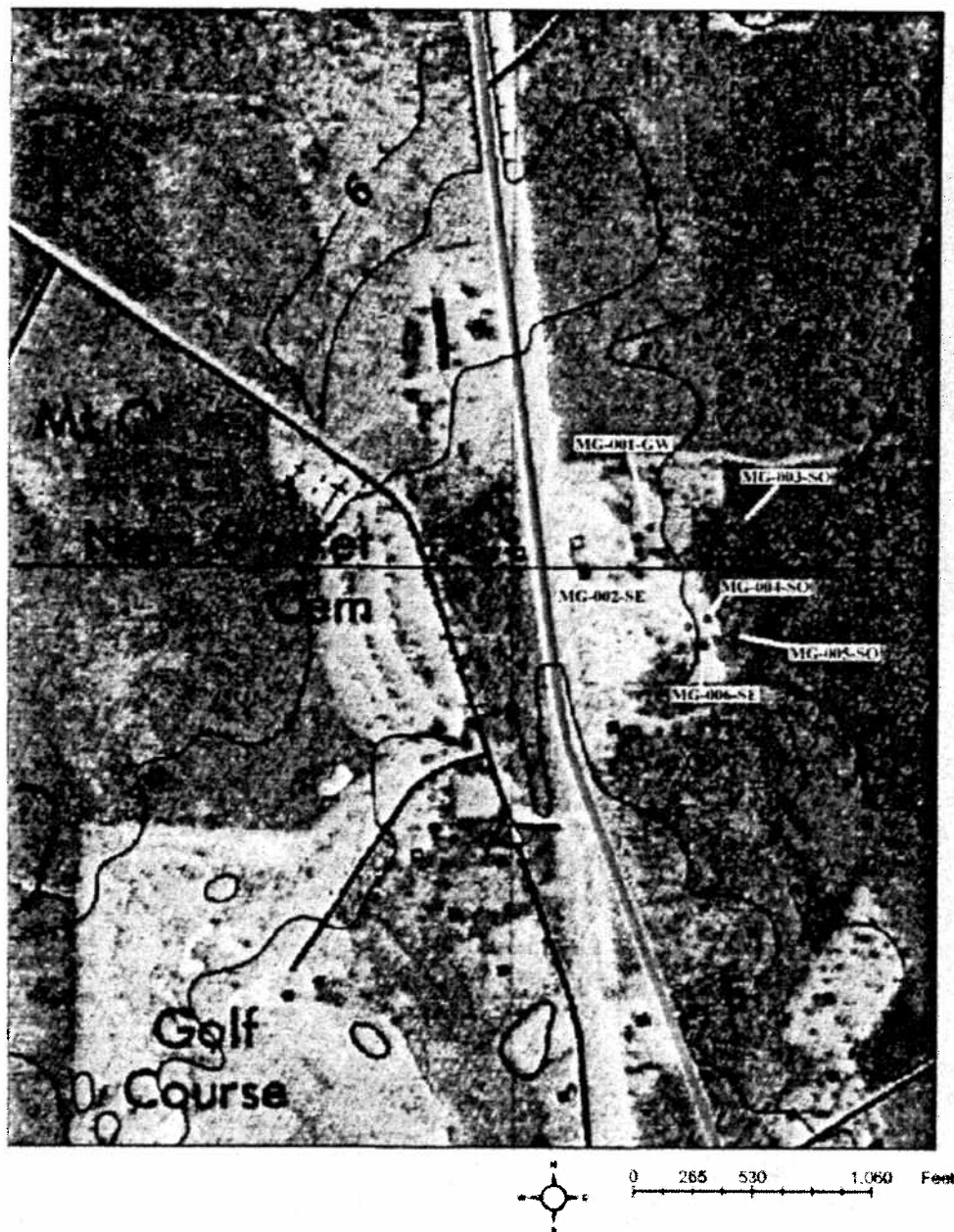
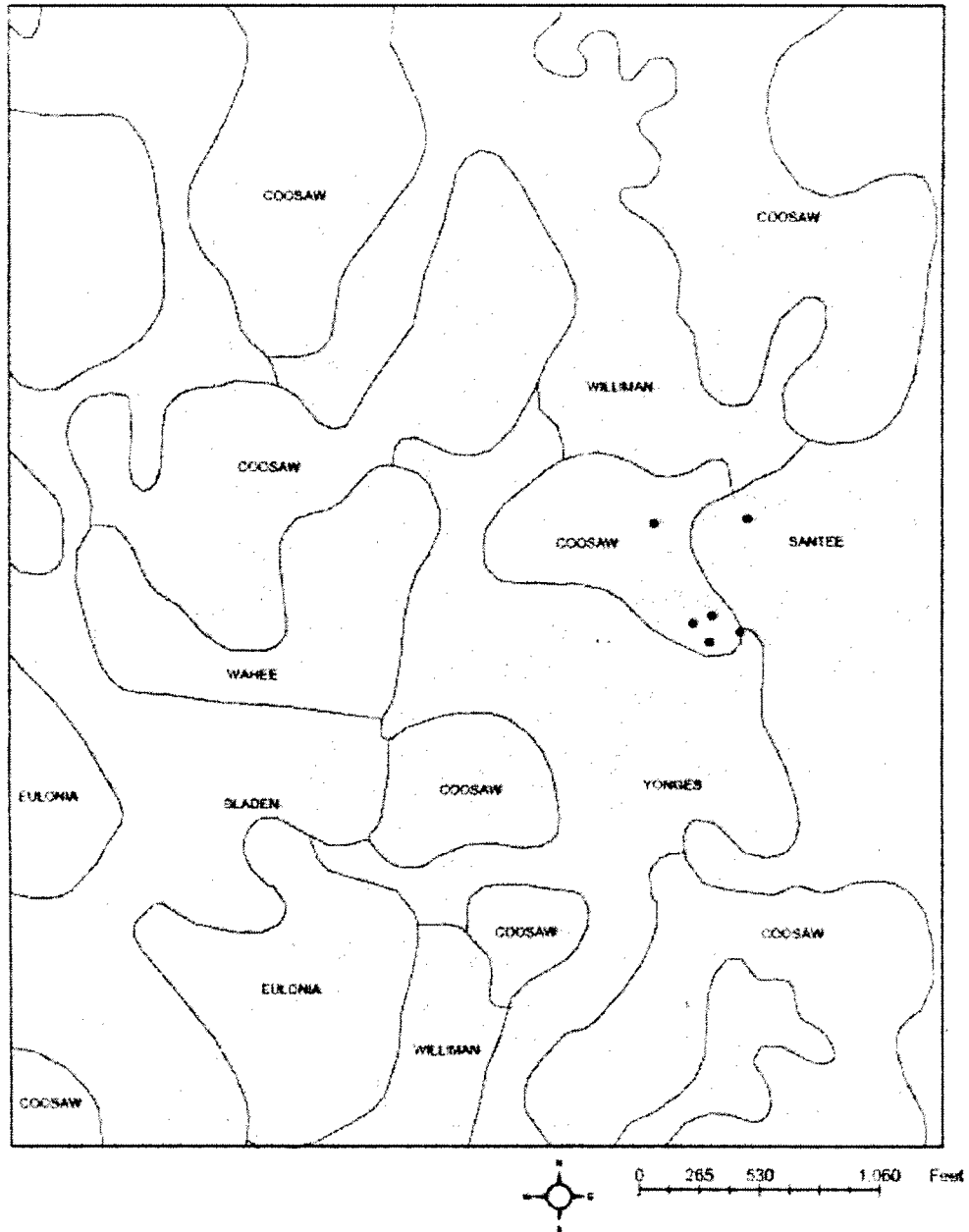


Figure 3: Site Soils Types Map. (Sample locations are shown for spatial reference only.)



Pre-CERCLIS Checklist
Site Assessment Section
SCDHEC Bureau of Land and Waste Management
December 8, 2004

1

Site Information

McGraw Auto Salvage
Site Name

SCS 123 456 834
ID Number

Route 1, Box 250
Address

Jasper
County

Address

29927
Zip Code

Hardeeville, SC
City

(800)-346-6651
Contact Phone

Hal McGraw
Contact Name

32° 13' 25.33" N 81° 4' 19.00" W
Latitude Longitude

Route 1, Box 250
Contact Address

N/A
Approximate Size of Site

Hardeeville, SC, 29927
Contact City, State, Zip

Alternate Site Names

☐ Industrial ☐ Residential ☐ Urban ☒ Rural
Setting - choose one

☒ Unfenced ☐ Partially Fenced ☐ Fenced ☐ w/locked Gates ☐ w/Guard
Site Access - choose one

Site Description/History

McGraw's Auto Salvage (formerly Roy's Carolina Tank Cleaning) is an active auto salvage lot currently owned and operated by Mr. Hal McGraw. From 1975 to 1979, a chemical transport company, called Chemical Leaman, steam-cleaned the inside of tanker trailers that were used to transport various bulk chemicals. The wastewater was discharged to a sand oxidation pond.

The site is located approximately 3 - 4 miles south of Hardeeville, South Carolina, along the eastern side US Highway 17 in Jasper County.

US Highway 17 borders the property on the west. The site is surrounded on all sides by woodlands. Two (2) ponds are located on the eastern side of this active auto salvage operation. One pond is a small (<0.25 acres), overgrown, former oxidation pond. The other is a dug pond (≤0.5 acres; constructed circa 1994) used by the owner and his family for fishing. Approximately 100 ft. downgradient (east) from these to ponds is a wetland area. Although the surrounding areas are otherwise sparsely populated, the business and the owner's residence utilize an onsite drinking water well.

Pertinent Regulatory Activity

Prior sampling in 1995 of this pond revealed PAH contamination in the sediments and surrounding soils. Further sampling activities were conducted during the week of September 13, 2004. Sediment, soil, and groundwater samples were collected as part of this investigation in order to evaluate potential wetland and drinking water targets. Analyses revealed no significant contamination.

Waste Source

<input type="checkbox"/> Landfill
<input checked="" type="checkbox"/> Impoundment
<input type="checkbox"/> Drums
<input type="checkbox"/> Tanks/Containers
<input type="checkbox"/> Waste Pile
<input type="checkbox"/> Contaminated Soil
<input type="checkbox"/> Other

Size: <0.25 acres

Description: Former oxidation pond, sandy bottom. Over four years of operation, approximately 600,000 pounds of tanker rinse waters were discharged into the oxidation pond.

Contaminants Known or Suspected:

Prior sampling in 1995 of this pond revealed PAH contamination in the sediments and surrounding soils. Further sampling activities were conducted during the week of September 13, 2004. Analyses revealed no significant contamination.

Waste Source

<input type="checkbox"/> Landfill
<input type="checkbox"/> Impoundment
<input type="checkbox"/> Drums
<input type="checkbox"/> Tanks/Containers
<input type="checkbox"/> Waste Pile
<input type="checkbox"/> Contaminated Soil
<input type="checkbox"/> Other

Size:

Description:**Contaminants Known or Suspected:****Waste Source**

<input type="checkbox"/> Landfill
<input type="checkbox"/> Impoundment
<input type="checkbox"/> Drums
<input type="checkbox"/> Tanks/Containers
<input type="checkbox"/> Waste Pile
<input type="checkbox"/> Contaminated Soil
<input type="checkbox"/> Other

Size:

Description:**Contaminants Known or Suspected:**

Groundwater Pathway

Is there an observed or suspected release to groundwater? ☒ Yes ☐ No

Explain: Diesel-like odors were noted at depths up to 5+ feet in a soil boring

Distance to Nearest Well:

<input checked="" type="checkbox"/> < ¼ mile	<input type="checkbox"/> ¼ to ½ mile	<input type="checkbox"/> ½ to 1 mile	<input type="checkbox"/> > 1 mile
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If no release is suspected/confirmed and the nearest well is > 1 mile, do not evaluate GW pathway.

Potential Drinking Water Targets (Public & Private)

$1 < \frac{1}{4}$ mile	$\frac{1}{4}$ to $\frac{1}{2}$ mile	$\frac{1}{2}$ to 1 mile	> 1 mile
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Have nearby wells been sampled? ☒ Yes ☐ No

Sampling Details: Analyses revealed no significant contamination.

Surface Water Pathway

Is there an observed or suspected release to surface water? ☐ Yes ☒ No

Is there a well defined runoff pathway to perennial water? ☒ Yes ☐ No

Explain: A wetland area is immediately downgradient from the former oxidation pond. Analyses of samples from the wetland area revealed no significant contamination.

Distance to Perennial Surface Water:

<input type="checkbox"/> < 100'	<input checked="" type="checkbox"/> 100 - 500'	<input type="checkbox"/> 500 - 1000'	<input type="checkbox"/> 1000 - 2500'	<input type="checkbox"/> > 2500'
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If no release is suspected or observed and the distance to perennial water is > 2500 feet with no well defined runoff pathway, do not evaluate SW pathway.

[illegible]

Soil Exposure / Air Pathway

Is there any contamination present or suspected on residential property, schools, playgrounds, etc.? ☒ Yes ☐ No

4

Explain: odors were noted in soils at depth, but analyses of onsite soils revealed no significant contamination.

Estimated Residential Population:

18	< ¼ mile	41	¼ to ½ mile	132	½ to 1 mile
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Are any wastes sources of a gaseous or particulate nature? ☐ Yes ☒ No

Sampling Details:

Site Map

See attached McGraw Auto Salvage PreCERCLIS Report

USEPA/SCDHEC Self-Directed Work Team Decision

This site is not recommended for inclusion on CERLCIS. No further sampling is planned, and this site is recommended for No Further Remedial Action Planned (NFRAP).

EQC PROJECTS DISCOVERY FORM

Please attach a copy of a map (county or quad.) showing the site location

Ref. 4

File # 56858

PCAS# 5473

M. G. McGraw Auto Safety Tag

SITE NAME

US Route 17 (4 miles south of Hardeeville)

LOCATION ADDRESS

Hardeeville

LOCATION CITY

Jasper

LOCATION COUNTY

33° 0' 0" N 79° 0' 0" W

LATITUDE

LONGITUDE

YEARS OF OPERATION:

SITE DESCRIPTION:

From 1975 to 1979 a bulk chemical transport company used an on-site sand oxidation pond for disposal of rinse waters from washing the interior of their tank trucks.

Circle permits issued:

RCRA TSD; RCRA Gen; NPDES; ND; WW Const; UIC; Air; NESHAPS; Other:

Is the facility currently operating?

☒ Yes ☐ No

Are there any reasons to preclude adding this site to CERCLIS? (i.e. petroleum, dry cleaner, responsible party lead, voluntary cleanup program, direct referral to Bureau of Water)

503123456834

EPA IDENTIFICATION NUMBER

OTHER/ALTERNATE NAMES FOR THE FACILITY/SITE: Roy's Carolina Tank Cleaning

PROBLEM BELIEVED PRESENT; EST. QUANTITIES OF WASTE AND/OR CONTAMINANTS PRESENT:

Approx. 600,000 pounds of rinse waters

SITE OWNER: Mr. Roy McGraw

ADDRESS: Route 1, Box 250

CITY: Hardeeville

STATE: SC

ZIP CODE: 29927

MOST RECENT SITE OPERATOR: Mr. Roy McGraw

TELEPHONE NUMBER: (803) 784 - 6651

Low Country

DISTRICT NAME

01/27/98

DATE REPORTED

REPORTED BY: Natalie Macke

Reasons for adding this site to the EQC PROJECTS LIST (Brief description of potential hazard or concern):

Coordination with the Bureau of Water may be needed for possible petroleum contamination on-site.

NOTE:

The following information is optional. Any questions that can be answered will aid in the assessment of this site. If you do not know the answer to a particular question, leave it blank. When making estimates for distances etc., please indicate that it is an estimate.

List any adjoining / nearby property with activities that could be affecting the environment or site in question. _____

Circle all of the following that apply to the surrounding area:

Agricultural

Residential

Urban

Suburban

Rural

Industrial

List all permits associated with this site. _____

Is the site accessible to the public? ☐ Yes ☒ No Describe: Private residence/ Public Salvage Yard

Are there monitoring wells or drinking water wells on-site? ☐ Yes ☒ No Describe: Private Water Supply on-site

According to owner, the well is approx. 600ft deep.

Are there monitoring wells or drinking water wells on adjacent properties? ☐ Yes ☒ No Describe: Unknown

What is the distance to the nearest drinking well (public or private)? Private well on-site

Is groundwater the prime drinking water supply in the area? ☐ Yes ☒ No Describe: _____

Has groundwater been impacted? ☐ Yes ☒ No Describe: Unknown

Is there a clearly defined runoff pathway to surface water? ☐ Yes ☒ No Describe: No

Is there a wastewater discharge to surface water? ☐ Yes ☒ No Describe: Unknown

Are contaminants from the site likely to have reached residential property or other receptors? ☐ Yes ☒ No Describe: On-site
oxidation approx 300 ft from McGraw residence

What is the distance to the nearest perennial surface water body? Unknown

What are the names of the perennial surface water bodies in the runoff pathway? Unknown

What is the approximate downstream distance to the point where sustained fishing activity occurs? Unknown

What is the distance to the nearest residence? Site is a private residence

List any environmental assessment work done or any ongoing monitoring: Private well was sampled 6/29/95
(Non-detect recorded for priority pollutants) Pond sediment sampled 6/29/95.

Please provide a site map (rough site sketch acceptable) with waste locations.

OFFICIAL USE ONLY	DISCOVERY DATE: <input type="text"/>	FILE No.: <input type="text"/>	ID #: <input type="text"/>
	QUADRANGLE: <input type="text"/>		DATE: <input type="text"/>
	REVIEW COMMITTEE'S DECISION: LAND WATER AIR		
	APPROVAL BY: <input type="text"/> DATE: <input type="text"/>		

Field Notes
McGraw Salvage

Ref. 6

time: 10:15 am.

June 28, 1995

Day: Overcast + approx. 90°

rainfall: Site had received rainfall within the last 24 hours
Puddled rainfall was noted.

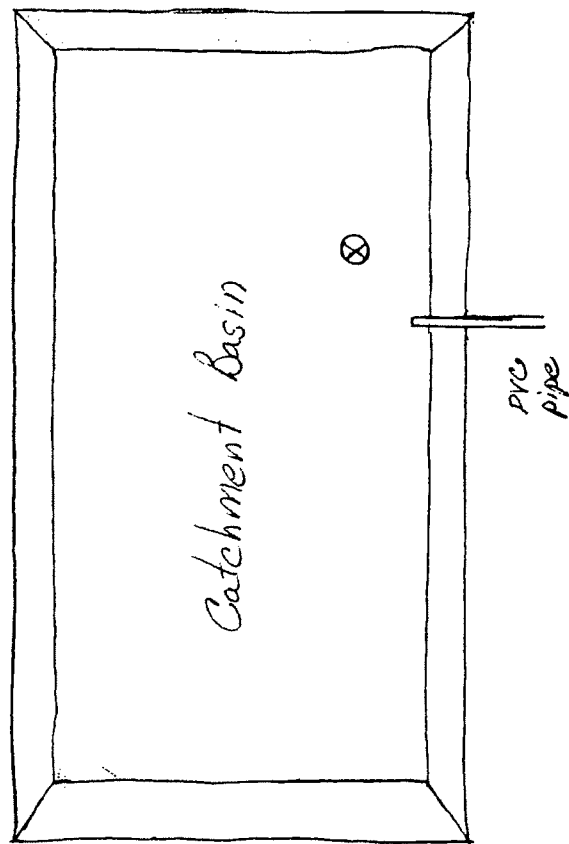
Item #1 Private Well was sampled

- well characteristics according to owner

12 inch diameter

600 feet deep

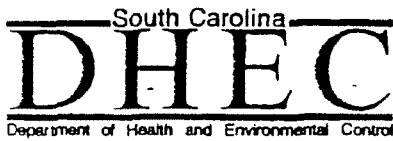
- well was purged at the closest outside tap according to owner
- purged time was approximately 15 minutes before sampling began
- Order of sampling BNA extractables / Pesticides Herbicides, field blanks replaced into cooler, volatiles, mercury and metals. Some difficulty in fully preserving the Hg should be noted. The full dosage of preservative (1:1 HNO₃) was not attained.
- The catchment basin sediment was sampled in the following order; volatile organics then sediments
- The basin was poked (depth 2"), a white precipitant was noted on bottom of basin under precipitant was a grey/red brown mottled clay
- soil / location (see attached map)
boring taken



⊗ Catchment Basin
sample location

⊕ Soil Boring location

McGraw Salvage Hwy 321 South
Hardeeville, SC
Tascon County



MEMORANDUM
WPC GEOHYDROLOGIC SECTION

To: Bureau of Water Pollution Control Files

From: Natalie Macke, Hydrologist *NAM*
Geohydrologic Section
Water Quality Assessment and Enforcement Division

Re: McGraw Auto Salvage Inc. - Jasper County
formerly, Roy's Carolina Tank Cleaning
CERCLIS-Site Discovery Forms (1979) - Investigation

Date: June 26, 1995

The referenced facility was referred to this Section by William R. Kreckler (Enforcement Liaison) on 05/26/95. The following information has been noted from a site visit made by the writer on 06/16/95.

From 1975 till 1979 Mr. McGraw of Roy's Carolina Tank Cleaning allowed Chemical Leaman, a chemical transport company, to use his property to steam clean the inside of their tank trucks. The wastewater was subsequently discharged to a sand oxidation pond. The remains of the old oxidation pond are still apparent. The first foot of soil in the pond area is still stained and volatile organics seem to be present.

Further investigation is ensuing.

NM
cc: Gina Lowman

Sheet No

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Organic Analysis of Sediment - Laboratory Report and Data Entry Form

Collection for: ☒ Special ☐ Trend Name of Study: Melrose State Date: 45 6 29 Collector: Natalie Macke
Yr Mo Da

Water Body: _____ Basin: _____ County: KS, DE

Comments:

[illegible]

Samples released to: _____ By: Nature Macke Date: 6/27/93 Time: 11:00

Received in regional laboratory by: _____ Date received: _____

Date released from regional laboratory: _____ By: _____

Received in central laboratory by: KB Date received: 12/9/95

Data released from organic section: 01/05/96 Released by: TCK

An "X" in the small column indicates test requested.

DHEC #40-15 (01/88)

White - Central Office; Canary - District Office; Pink - ASD Central Lab

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 0629950052
 CHARGE NUMBER : WPC
 COLLECTED BY : N MACKE
 COUNTY : JASPER
 SAMPLE DESCRIPTION : MCGRAW SITE
 SAMPLE TYPE :

THURSDAY JANUARY 4TH, 1996
 RELEASE DATE : 01/04/96 16:05:55
 DT COLLECTED : 06/29/95 00:00:00
 SAMPLE MEDIUM : SED
 STATION CODE :

ANALYSIS

	STORET	RESULT
N-NITROSODIMETHYLAMINE UG/KG	34441	<300
ANILINE UG/KG	78866	<300
PHENOL UG/KG	34695	<300
BIS(2-CHLOROETHYL)ETHER UG/KG	34276	<300
2-CHLOROPHENOL UG/KG	34589	<300
1,3-DICHLOROBENZENE UG/KG	34569	<300
1,4-DICHLOROBENZENE UG/KG	34574	<300
BENZYL ALCOHOL UG/KG	75212	<300
1,2-DICHLOROBENZENE UG/KG	34539	<300
2-METHYLPHENOL UG/KG	78872	<300
BIS(2-CHLOROISOPROPYL)ETHER UG/KG	34286	<300
4-METHYLPHENOL UG/KG	78803	<300
N-NITROSODI-N-PROPYLAMINE UG/KG	34431	<300
HEXACHLOROETHANE UG/KG	34399	<300
NITROBENZENE UG/KG	34450	<300
ISOPHORONE UG/KG	34411	<300
2-NITROPHENOL UG/KG	34594	<300
2,4-DIMETHYL PHENOL UG/KG	34609	<300
BENZOIC ACID UG/KG	75315	<300
BIS(2-CHLOROETHOXY)METHANE UG/KG	34281	<300
2,4-DICHLOROPHENOL UG/KG	34604	<300
1,2,4-TRICHLOROBENZENE UG/KG	34554	<300
NAPHTHALENE UG/KG	34445	<300
4-CHLOROANILINE UG/KG	78867	<300
HEXACHLOROBUTADIENE UG/KG	39705	<300
4-CHLORO-3-METHYL PHENOL UG/KG		<300
2-METHYLNAPHTHALENE UG/KG	78868	<300
HEXACHLOROCYCLOPENTADIENE UG/KG	34389	<300
2,4,6-TRICHLOROPHENOL UG/KG	34624	<300
2,4,5-TRICHLOROPHENOL UG/KG	78401	<300
2-CHLORONAPHTHALENE UG/KG	34584	<300
2-NITROANILIN U ,KG	78299	<300
DIM T.YL PHTHALATE UG/KG	34344	<300
ACENAPHTHYLENE UG/KG	34203	<300
2,6-DINITROTOLUENE UG/KG	34629	<300
3-NITROANILINE UG/KG	78869	<300
ACENAPHTHENE UG/KG	34208	<300
4-NITROPHENOL UG/KG	34649	<300
DIBENZOFURAN UG/KG	75647	<300
2,4-DINITROTOLUENE UG/KG	34614	<300
DIETHYL PHTHALATE UG/KG	34339	<300
4-CHLOROPHENYL PHENYL ETHER UG/KG	34644	<300

***** SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *****
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

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 STATION CODE :

ANALYSIS

STORET RESULT

PAGE 2

FLUORENE UG/KG	34384	<300
4-NITROANILINE UG/KG	78870	<300
AZO BENZENE UG/KG		<300
2-METHYL-4,6-DINITROPHENOL UG/KG		<300
N-NITROSODIPHENYLAMINE UG/KG	34436	<300
4-BROMOPHENYL PHENYL ETHER UG/KG	34639	<300
HEXACHLOROBENZENE UG/KG	39701	<300
PENTACHLOROPHENOL UG/KG	78873	<300
PHENANTHRENE UG/KG	34464	311
ANTHRACENE UG/KG	34223	10400
DI-N-BUTYLPHTHALATE UG/KG	39112	<300
FLUORANTHENE UG/KG	34379	<300
PYRENE UG/KG	34472	<300
BUTYLBENZYL PHTHALATE UG/KG	78800	<300
3,3'-DICHLOROBENZIDINE UG/KG	34634	<300
BENZO(A)ANTHRACENE UG/KG	34529	<300
CHRYSENE UG/KG	34323	<300
BIS(2-ETHYLHEXYL)PHTHALATE UG/KG	39102	1390
DI-N-OCTYLPHTHALATE UG/KG	34599	<300
BENZO(B)FLUORANTHENE UG/KG	34233	<300
BENZO(K)FLUORANTHENE UG/KG	34245	<300
BENZO(A)PYRENE UG/KG	34250	<300
NDENO(1,2,3-CD)PYRENE UG/KG	34406	<300
IBENZO(A,H)ANTHRACENE UG/KG	34559	<300
ENZO(GHI)PERYLENE UG/KG	34524	<300

P.2

Oxidation pond
 Sediment sample
 (surface sample)

DRIN UG/KG	39333	<2.0
PHA-BHC UG/KG	39076	<2.0
TA-BHC UG/KG	34257	<2.0
LTA-BHC UG/KG		<2.0
NDANE UG/KG	39783	<2.0
LORDANE UG/KG	39351	<15.0
PF-DDD UG/KG	39311	<2.0
PF-DDE UG/KG	39321	<2.0
PF-DDT UG/KG	39301	<2.0
ELDRIN UG/KG	39383	<2.0
OSULFAN I UG/KG	34364	<2.0
OSULFAN II UG/KG	34359	<2.0
OSULFAN SULFATE UG/KG	34354	<2.0
RIN UG/KG	39393	<2.0
RIN ALDEHYDE UG/KG	34369	<2.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 0629950052
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 COLLECTED BY : N MACKE
 COUNTY : JASPER
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 SAMPLE TYPE :

THURSDAY JANUARY 4TH, 1996
 RELEASE DATE : 01/04/96 16:05:55
 DT COLLECTED : 06/29/95 00:00:00
 SAMPLE MEDIUM : SED
 STATION CODE :

ANALYSIS

STORET RESULT

PAGE 4

1,2-DICHLOROBENZENE UG/KG

34539 <20.0

COMMENTS:

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 0629950053
 CHARGE NUMBER : WPC
 COLLECTED BY : N MACKE
 COUNTY : JASPER
 SAMPLE DESCRIPTION : MCGRAW SITE
 SAMPLE TYPE :

MONDAY SEPTEMBER 25TH, 1995
 RELEASE DATE : 09/25/95 16:30:06
 DT COLLECTED : 06/29/95 00:00:00
 SAMPLE MEDIUM : WATER
 STATION CODE :

ANALYSIS

STORET RESULT

ANALYSIS	STORET	RESULT
N-NITROSODIMETHYLAMINE UG/L	34438	<4.0
ANILINE UG/L	77089	<4.0
PHENOL UG/L	34694	<4.0
BIS(2-CHLOROETHYL)ETHER UG/L	34273	<4.0
2-CHLOROPHENOL UG/L	34586	<4.0
1,3-DICHLOROBENZENE UG/L	34566	<4.0
1,4-DICHLOROBENZENE UG/L	34571	<4.0
BENZYL ALCOHOL UG/L	77147	<4.0
1,2-DICHLOROBENZENE UG/L	34536	<4.0
2-METHYLPHENOL UG/L		<4.0
BIS(2-CHLOROISOPROPYL)ETHER UG/L	34283	<4.0
4-METHYLPHENOL UG/L		<4.0
N-NITROSODI-N-PROPYLAMINE UG/L	34428	<4.0
HEXACHLOROETHANE UG/L	34396	<4.0
NITROBENZENE UG/L	34447	<4.0
ISOPHORONE UG/L	34408	<4.0
2-NITROPHENOL UG/L	34591	<4.0
2,4-DIMETHYL PHENOL UG/L	34606	<4.0
BENZOIC ACID UG/L	77247	<4.0
BIS(2-CHLOROETHOXY)METHANE UG/L	34278	<4.0
2,4-DICHLOROPHENOL UG/L	34601	<4.0
1,2,4-TRICHLOROBENZENE UG/L	34551	<4.0
NAPHTHALENE UG/L	34696	<4.0
4-CHLOROANILINE UG/L		<4.0
HEXACHLOROBUTADIENE UG/L	34391	<4.0
4-CHLORO-3-METHYL PHENOL UG/L	34452	<4.0
2-METHYL NAPHTHALENE UG/L	77416	<4.0
HEXACHLOROCYCLOPENTADIENE UG/L	34386	<4.0
2,4,6-TRICHLOROPHENOL UG/L	34621	<4.0
2,4,5-TRICHLOROPHENOL UG/L	77587	<4.0
2-CHLORONAPHTHALENE UG/L	34581	<4.0
2-NITROANILINE UG/L		<4.0
DIMETHYL PHTHALATE UG/L	34341	<4.0
ACENAPHTHYLENE UG/L	34200	<4.0
2,6-DINITROTOLUENE UG/L	34626	<4.0
3-NITROANILINE UG/L	78300	<4.0
ACENAPHTHENE UG/L	34205	<4.0
4-NITROPHENOL UG/L	34646	<4.0
DIBENZOFURAN UG/L	81302	<4.0
2,4-DINITROTOLUENE UG/L	34611	<4.0
DIETHYL PHTHALATE UG/L	34336	<4.0
4-CHLOROPHENYL PHENYL ETHER UG/L	34641	<4.0

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

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ANALYSIS

STORET RESULT

PAGE 2

FLUORENE UG/L	34381	<4.0
4-NITROANILINE UG/L		<4.0
AZOBENZENE UG/L	77625	<4.0
2-METHYL-4,6-DINITROPHENOL UG/L	34657	<4.0
N-NITROSODIPHENYLAMINE UG/L	34433	<4.0
4-BROMOPHENYL PHENYL ETHER UG/L	34636	<4.0
HEXACHLOROBENZENE UG/L	39700	<4.0
PENTACHLOROPHENOL UG/L	39032	<4.0
PHENANTHRENE UG/L	34461	<4.0
ANTHRACENE UG/L	34220	<4.0
DI-N-BUTYLPHTHALATE UG/L	39110	<4.0
FLUORANTHENE UG/L	34376	<4.0
PYRENE UG/L	34469	<4.0
BUTYLBENZYL PHTHALATE UG/L	34292	<4.0
3,3'-DICHLOROBENZIDINE UG/L	34631	<4.0
BENZO(A)ANTHRACENE UG/L	34526	<4.0
CHRYSENE UG/L	34320	<4.0
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	39100	<4.0
DI-N-OCTYLPHTHALATE UG/L	34596	<4.0
BENZO(B)FLUORANTHENE UG/L	34230	<4.0
BENZO(K)FLUORANTHENE UG/L	34242	<4.0
BENZO(A)PYRENE UG/L	34247	<4.0
INDENO(1,2,3-CD)PYRENE UG/L	34403	<4.0
DIBENZO(A,H)ANTHRACENE UG/L	34556	<4.0
BENZO(GHI)PERYLENE UG/L	34521	<4.0
ALDRIN UG/L	39330	<0.05
ALPHA-BHC UG/L	39337	<0.05
BETA-BHC	39338	<0.05
DELTA-BHC	34259	<0.05
LINDANE UG/L	39782	<0.05
CHLORDANE UG/L	39350	<0.05
P,P'-DDD UG/L	39310	<0.05
P,P'-DDE UG/L	39320	<0.05
P,P'-DDT UG/L	39300	<0.05
DIELDRIN UG/L	39380	<0.05
ENDOSULFAN I UG/L	34361	<0.05
ENDOSULFAN II UG/L	34356	<0.05
ENDOSULFAN SULFATE UG/L	34351	<0.05
ENDRIN UG/L	39390	<0.05
ENDRIN ALDEHYDE UG/L	34366	<0.05

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

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 COLLECTED BY : N MACKE
 COUNTY : JASPER
 SAMPLE DESCRIPTION : MCGRAW SITE
 SAMPLE TYPE :

MONDAY SEPTEMBER 25TH, 1995
 RELEASE DATE : 09/25/95 16:30:06
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 SAMPLE MEDIUM : WATER
 STATION CODE :

ANALYSIS

STORET RESULT

PAGE 3

HEPTACHLOR UG/L	39410	<0.05
HEPTACHLOR EPOXIDE UG/L	39420	<0.05
TOXAPHENE UG/L	39400	<0.05
PCB 1016 UG/L	34671	<0.5
PCB 1221 UG/L	39488	<0.5
PCB 1232 UG/L	39492	<0.5
PCB 1242 UG/L	39496	<0.5
PCB 1243 UG/L	39500	<0.5
PCB 1254 UG/L	39504	<0.5
PCB 1260 UG/L	39508	<0.5
ALUMINUM MG/L	1002	<0.05
CADMIUM MG/L	1015	<0.0001
BARIUM MG/L	1010	<0.05
BERYLLIUM MG/L	1075	<0.003
CHROMIUM MG/L	1020	<0.01
NICKEL MG/L	1036	<0.02
MERCURY MG/L	1035	<0.0002
ANTIMONY MG/L	1074	<0.003
SELENIUM MG/L	1045	<0.005
THALLIUM MG/L	1035	<0.001
DICHLORODIFLUOROMETHANE MG/L	2212	<0.0005
CHLOROMETHANE MG/L	2210	<0.0005
VINYL CHLORIDE MG/L	2976	<0.0005
BROMOMETHANE MG/L	2214	<0.0005
CHLOROETHANE MG/L	2216	<0.0005
TRICHLOROFLUOROMETHANE MG/L	2218	<0.0005
1,1-DICHLOROETHYLENE MG/L	2977	<0.0005
METHYLENE CHLORIDE MG/L	2964	<0.0005
TRANS-1,2-DICHLOROETHENE MG/L	2979	<0.0005
1,1-DICHLOROETHANE MG/L	2978	<0.0005
2,2-DICHLOROPROPANE MG/L	2416	<0.0005
CIS-1,2-DICHLOROETHENE MG/L	2380	<0.0005

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 0629950053
 CHARGE NUMBER : WPC
 COLLECTED BY : N MACKE
 COUNTY : JASPER
 SAMPLE DESCRIPTION : MCGRAW SITE
 SAMPLE TYPE :

MONDAY SEPTEMBER 25TH, 1995
 RELEASE DATE : 09/25/95 16:30:06
 DT COLLECTED : 06/29/95 00:00:00
 SAMPLE MEDIUM : WATER
 STATION CODE :

ANALYSIS

	STORET	RESULT	PAGE 5
1,2-DIBROMO-3-CHLOROPROPANE MG/L	2931	<0.0005	
1,2,4-TRICHLOROBENZENE MG/L	2378	<0.0005	
HEXACHLOROBUTADIENE MG/L	2246	<0.0005	
NAPHTHALENE MG/L	2248	<0.0005	
1,2,3-TRICHLOROBENZENE MG/L	2420	<0.0005	

COMMENTS:

 * SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL *
 * ANALYTICAL SERVICES DIVISION LABORATORY REPORT *

SAMPLE NUMBER : 0529950054
 CHARGE NUMBER : WPC
 COLLECTED BY : N WACKE
 COUNTY : JASPER
 SAMPLE DESCRIPTION : MCGRAW SITE
 SAMPLE TYPE :

FRIDAY JULY 14TH, 1995
 RELEASE DATE : 07/14/95 15:43:33
 DT COLLECTED : 06/29/95 00:00:00
 SAMPLE MEDIUM : WATER
 STATION CODE :

ANALYSIS

STORET RESULT

ANALYSIS	STORET	RESULT
DICHLORODIFLUOROMETHANE MG/L	2212	<0.0005
CHLOROMETHANE MG/L	2210	<0.0005
VINYL CHLORIDE MG/L	2273	<0.0005
BROMOMETHANE MG/L	2214	<0.0005
CHLOROETHANE MG/L	2216	<0.0005
TRICHLOROFLUOROMETHANE MG/L	2218	<0.0005
1,1-DICHLOROETHYLENE MG/L	2277	<0.0005
METHYLENE CHLORIDE MG/L	2264	<0.0005
TRANS-1,2-DICHLOROETHENE MG/L	2275	<0.0005
1,1-DICHLOROETHANE MG/L	2278	<0.0005
2,2-DICHLOROPROPANE MG/L	2416	<0.0005
CIS-1,2-DICHLOROETHENE MG/L	2380	<0.0005
CHLOROFORM MG/L	2241	<0.0005
BROMOCHLOROMETHANE MG/L	2430	<0.0005
1,1,1-TRICHLOROETHANE MG/L	2281	<0.0005
1,1-DICHLOROPROPENE MG/L	2410	<0.0005
CARBON TETRACHLORIDE MG/L	2282	<0.0005
BENZENE MG/L	2290	<0.0005
1,2-DICHLOROETHANE MG/L	2250	<0.0005
TRICHLOROETHYLENE MG/L	2284	<0.0005
1,2-DICHLOROPROPANE MG/L	2283	<0.0005
BROMODICHLOROMETHANE MG/L	2243	<0.0005
DIBROMOMETHANE MG/L	2408	<0.0005
TRANS-1,3-DICHLOROPROPENE MG/L	2224	<0.0005
TOLUENE MG/L	2291	<0.0005
CIS-1,3-DICHLOROPROPENE MG/L	2225	<0.0005
1,1,2-TRICHLOROETHANE MG/L	2285	<0.0005
TETRACHLOROETHENE MG/L	2267	<0.0005
1,3-DICHLOROPROPANE MG/L	2412	<0.0005
DIBROMOCHLOROMETHANE MG/L	2244	<0.0005
1,2-DIBROMOETHANE MG/L	2246	<0.0005
CHLOROBENZENE MG/L	2289	<0.0005
1,1,1,2-TETRACHLOROETHANE MG/L	2286	<0.0005
ETHYLBENZENE MG/L	2292	<0.0005
M/P-XYLENES MG/L	2255	<0.0005
O-XYLENE MG/L	2297	<0.0005
STYRENE MG/L	2296	<0.0005
BROMOFORM MG/L	2242	<0.0005
ISOPROPYLBENZENE MG/L	2294	<0.0005
1,1,2,2-TETRACHLOROETHANE MG/L	2288	<0.0005
BROMOBENZENE MG/L	2293	<0.0005

Ref. 9

SOIL BORING LOG

Location: McGraw Auto Salvage Inc. Date: 6/29/95
U.S. Route 17 - 4 miles South of Hardeeville

County: Jasper Latitude: Longitude:

Elevation: 20 ft Total depth: 5.5ft Water table: not reached

Logged by: Natalie Macke and Bruce Crawford

Seasonal high water table (estimate): 1.5 ft

<u>Depth</u> ft	<u>Description</u>
6''	sand, fg-vfg, buff tan to light grey color
1'	same as above
1.5'	clay v. sandy, mottled grey/red-brown Moist and strong diesel smell
2'	same as above - strong diesel smell still present
2.5'	clay v. sandy fg, silty mottled grey/red-brown Fe concretions - strong diesel smell still present
3'	same as above - strong diesel smell still present
3.5'	same as above
4'	same as above - a bit less diesel smell
4.5'	same as above
5'	same as above
5.5'	same as above
T.D.	
6	

Ref. 13

SITE DISCOVERY FORM

EPA ID: _____

SOURCE: _____ (E=EPA, S=STATE)

SITE NAME: ROY'S CAROLINA TANK CLEANING

(Salvage)

LOC. ADDRESS: Route 1, Box 250, 3 miles south of Hardeeville on Hwy. 17

CITY NAME: Hardeeville

ZIP CODE: 29927

COUNTY: Jasper

LATITUDE: Unknown

LONGITUDE: Unknown

SITE DESCRIPTION: The company described operations as washing of tank trailers that have hauled various chemicals in bulk quantities.

DISTRICT NAME: Low Country

SITE DISCOVERY DATE: 3-1-95

REPORTED BY: Site Screening Section, SCDHEC

REASON FOR LISTING: SCDHEC Notification of Hazardous Waste Activity form (1979) states that 600,000 pounds of rinse waters from washing tank trucks treated in oxidation pond providing settling and biological activity. The form states that "currently not enough waste present to transport off-site."

Appendix 1
McGraw Auto
Date: 10/13/04
Sheet: 1 of 1

ORGANIC DATA QUALIFIER REPORT

Case Number:	33327	Project Number	04-0920	SOW Number	OLM04.3/ OLC03.2
Site ID.	McGraw Auto Salvage, Hardeeville, SC			Date	10/13/04
<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>		
<u>Volatiles</u>					
10430	methyl acetate	R	RRF < 0.050 in initial and continuing calibration		
10431	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing calibration		
	chlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene	J	< quantitation limit		
10432	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing calibration		
10433	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing calibration		
10434	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing calibration		
10435	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing		

ORGANIC DATA QUALIFIER REPORT

Case Number:	33327	Project Number	04-0920	SOW Number	OLM04.3/ OLC03.2
Site ID.	McGraw Auto Salvage, Hardeeville, SC			Date	10/13/04
<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>		
			calibration		
10436	dichlorodifluoromethane, chloroethane	J	erratic continuing calibration		
	1,2-dibromo-3-chloropropane	R	RRF < 0.050 in initial and continuing calibration		
10437	methyl acetate	R	RRF < 0.050 in initial and continuing calibration		
<u>Semivolatiles</u>					
10430	di-n-octylphthalate, benzo(g,h,i)perylene	J	erratic continuing calibration		
10431	isophorone, 2,4-dichlorophenol	J	PES - warning low		
	benzaldehyde, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, benzo(k)fluoranthene	J	erratic continuing calibration		
	anthracene	J	< quantitation limit		
10432	isophorone, 2,4-dichlorophenol	J	PES - warning low		
	benzaldehyde, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, benzo(k)fluoranthene	J	erratic continuing calibration		
10433	isophorone, 2,4-dichlorophenol	J	PES - warning low		
	benzaldehyde, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, benzo(k)fluoranthene	J	erratic continuing calibration		
10434	isophorone, 2,4-dichlorophenol	J	PES - warning low		
	benzaldehyde, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol,	J	erratic continuing calibration		

ORGANIC DATA QUALIFIER REPORT

Case Number:	33327	Project Number	04-0920	SOW Number	OLM04.3/ OLC03.2
Site ID.	McGraw Auto Salvage, Hardeeville, SC			Date	10/13/04
<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>		
	benzo(k)fluoranthene				
10435	isophorone, 2,4-dichlorophenol	J	PES - warning low		
	benzaldehyde, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, benzo(k)fluoranthene	J	erratic continuing calibration		
<u>Pesticides</u>					
10431	alpha-BHC, delta-BHC, gamma-BHC	J	erratic initial calibration		
10432	alpha-BHC, delta-BHC, gamma-BHC	J	erratic initial calibration		
10433	alpha-BHC, delta-BHC, gamma-BHC	J	erratic initial calibration		
10434	alpha-BHC, delta-BHC, gamma-BHC	J	erratic initial calibration		
	dieldrin	J	high surrogate recovery		
10435	alpha-BHC, delta-BHC, gamma-BHC	J	erratic initial calibration		

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10430 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG001GW /

MD No: 2S27

Inorg Contractor: LIBRTY

Media: GROUNDWATER

D No: 2S27

Org Contractor: DATAC

Produced by: Appieby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
5.0 U	UG/L	Benzaldehyde	5.0 U	UG/L	Dibenzofuran
5.0 U	UG/L	Phenol	5.0 U	UG/L	2,4-Dinitrotoluene
5.0 U	UG/L	bis(2-Chloroethyl) Ether	5.0 U	UG/L	Diethyl Phthalate
5.0 U	UG/L	2-Chlorophenol	5.0 U	UG/L	Fluorene
5.0 U	UG/L	2-Methylphenol	5.0 U	UG/L	4-Chlorophenyl Phenyl Ether
5.0 U	UG/L	bis(2-Chloroisopropyl) Ether	20 U	UG/L	4-Nitroaniline
5.0 U	UG/L	Acetophenone	20 U	UG/L	2-Methyl-4,6-Dinitrophenol
5.0 U	UG/L	(3-and/or 4-)Methylphenol	5.0 U	UG/L	n-Nitrosodiphenylamine/Diphenylamine
5.0 U	UG/L	n-Nitroso di-n-Propylamine	5.0 U	UG/L	1,2,4,5-Tetrachlorobenzene
5.0 U	UG/L	Hexachloroethane	5.0 U	UG/L	4-Bromophenyl Phenyl Ether
5.0 U	UG/L	Nitrobenzene	5.0 U	UG/L	Hexachlorobenzene (HCB)
5.0 U	UG/L	Isophorone	5.0 U	UG/L	Atrazine
5.0 U	UG/L	2-Nitrophenol	5.0 U	UG/L	Pentachlorophenol
5.0 U	UG/L	2,4-Dimethylphenol	5.0 U	UG/L	Phenanthrene
5.0 U	UG/L	bis(2-Chloroethoxy)Methane	5.0 U	UG/L	Anthracene
5.0 U	UG/L	2,4-Dichlorophenol	NA	UG/L	Carbazole
5.0 U	UG/L	Naphthalene	5.0 U	UG/L	Di-n-Butylphthalate
5.0 U	UG/L	4-Chloroaniline	5.0 U	UG/L	Fluoranthene
5.0 U	UG/L	Hexachlorobutadiene	5.0 U	UG/L	Pyrene
5.0 U	UG/L	Caprolactam	5.0 U	UG/L	Benzyl Butyl Phthalate
5.0 U	UG/L	4-Chloro-3-Methylphenol	5.0 U	UG/L	3,3'-Dichlorobenzidine
5.0 U	UG/L	2-Methylnaphthalene	5.0 U	UG/L	Benzo(a)Anthracene
5.0 U	UG/L	Hexachlorocyclopentadiene (HCCP)	5.0 U	UG/L	Chrysene
5.0 U	UG/L	2,4,6-Trichlorophenol	5.0 U	UG/L	bis(2-Ethylhexyl) Phthalate
20 U	UG/L	2,4,5-Trichlorophenol	5.0 U	UG/L	Di-n-Octylphthalate
5.0 U	UG/L	1,1-Biphenyl	5.0 U	UG/L	Benzo(b)Fluoranthene
5.0 U	UG/L	2-Chloronaphthalene	5.0 U	UG/L	Benzo(k)Fluoranthene
20 U	UG/L	2-Nitroaniline	5.0 U	UG/L	Benzo-a-Pyrene
5.0 U	UG/L	Dimethyl Phthalate	5.0 U	UG/L	Indeno (1,2,3-cd) Pyrene
5.0 U	UG/L	2,6-Dinitrotoluene	5.0 U	UG/L	Dibenzo(a,h)Anthracene
5.0 U	UG/L	Acenaphthylene	5.0 U	UG/L	Benzo(ghi)Perylene
20 U	UG/L	3-Nitroaniline			
5.0 U	UG/L	Acenaphthene			
20 U	UG/L	2,4-Dinitrophenol			
20 U	UG/L	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10430 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG001GW /

MD No: 2S27

Inorg Contractor: LIBRTY

Media: GROUNDWATER

D No: 2S27

Org Contractor: DATAC

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE
0.010 U	UG/L	alpha-BHC
0.010 U	UG/L	beta-BHC
0.010 U	UG/L	delta-BHC
0.010 U	UG/L	gamma-BHC (Lindane)
0.010 U	UG/L	Heptachlor
0.010 U	UG/L	Aldrin
0.010 U	UG/L	Heptachlor Epoxide
0.010 U	UG/L	Endosulfan I (alpha)
0.020 U	UG/L	Dieldrin
0.020 U	UG/L	4,4'-DDE (p,p'-DDE)
0.020 U	UG/L	Endrin
0.020 U	UG/L	Endosulfan II (beta)
0.020 U	UG/L	4,4'-DDD (p,p'-DDD)
0.020 U	UG/L	Endosulfan Sulfate
0.020 U	UG/L	4,4'-DDT (p,p'-DDT)
0.10 U	UG/L	Methoxychlor
0.020 U	UG/L	Endrin Ketone
0.020 U	UG/L	Endrin Aldehyde
0.010 U	UG/L	alpha-Chlordane /2
0.010 U	UG/L	gamma-Chlordane /2
1.0 U	UG/L	Toxaphene
0.20 U	UG/L	PCB-1016 (Aroclor 1016)
0.40 U	UG/L	PCB-1221 (Aroclor 1221)
0.20 U	UG/L	PCB-1232 (Aroclor 1232)
0.20 U	UG/L	PCB-1242 (Aroclor 1242)
0.20 U	UG/L	PCB-1248 (Aroclor 1248)
0.20 U	UG/L	PCB-1254 (Aroclor 1254)
0.20 U	UG/L	PCB-1260 (Aroclor 1260)

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.
C- confirmed by GCMS | /1- when no value is reported, see chlordane constituents | /2- constituents or metabolites of technical chlordane

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10430 FY 2004 Project: 04-0920

Volatiles Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG001GW /

MD No: 2S27

Inorg Contractor: LIBRTY

Media: GROUNDWATER

D No: 2S27

Org Contractor: DATAC

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
0.50 U	UG/L	Dichlorodifluoromethane	0.50 U	UG/L	Dibromochloromethane
0.50 U	UG/L	Chloromethane	0.50 U	UG/L	1,2-Dibromoethane (EDB)
0.50 U	UG/L	Vinyl Chloride	0.50 U	UG/L	Chlorobenzene
0.50 U	UG/L	Bromomethane	0.50 U	UG/L	Ethyl Benzene
0.50 U	UG/L	Chloroethane	0.50 U	UG/L	Total Xylenes
0.50 U	UG/L	Trichlorofluoromethane (Freon 11)	0.50 U	UG/L	Styrene
0.50 U	UG/L	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50 U	UG/L	Bromoform
0.50 U	UG/L	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50 U	UG/L	Isopropylbenzene
5.0 U	UG/L	Acetone	0.50 U	UG/L	1,1,2,2-Tetrachloroethane
0.50 U	UG/L	Carbon Disulfide	0.50 U	UG/L	1,3-Dichlorobenzene
0.50 UR	UG/L	Methyl Acetate	0.50 U	UG/L	1,4-Dichlorobenzene
0.50 U	UG/L	Methylene Chloride	0.50 U	UG/L	1,2-Dichlorobenzene
0.50 U	UG/L	trans-1,2-Dichloroethene	0.50 U	UG/L	1,2-Dibromo-3-Chloropropane (DBCP)
0.50 U	UG/L	Methyl T-Butyl Ether (MTBE)	0.50 U	UG/L	1,2,4-Trichlorobenzene
0.50 U	UG/L	1,1-Dichloroethane	0.50 U	UG/L	1,2,3-Trichlorobenzene
0.50 U	UG/L	cis-1,2-Dichloroethene			
5.0 U	UG/L	Methyl Ethyl Ketone			
0.50 U	UG/L	Bromochloromethane			
0.50 U	UG/L	Chloroform			
0.50 U	UG/L	1,1,1-Trichloroethane			
0.50 U	UG/L	Cyclohexane			
0.50 U	UG/L	Carbon Tetrachloride			
0.50 U	UG/L	Benzene			
0.50 U	UG/L	1,2-Dichloroethane			
0.50 U	UG/L	Trichloroethene (Trichloroethylene)			
0.50 U	UG/L	Methylcyclohexane			
0.50 U	UG/L	1,2-Dichloropropane			
0.50 U	UG/L	Bromodichloromethane			
0.50 U	UG/L	cis-1,3-Dichloropropene			
5.0 U	UG/L	Methyl Isobutyl Ketone			
0.50 U	UG/L	Toluene			
0.50 U	UG/L	trans-1,3-Dichloropropene			
0.50 U	UG/L	1,1,2-Trichloroethane			
0.50 U	UG/L	Tetrachloroethene (Tetrachloroethylene)			
5.0 U	UG/L	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.

N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.

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L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.

NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.

R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10437 FY 2004 Project: 04-0920

Volatiles Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG008GW /

Media: GROUNDWATER

D No: 2S33

Org Contractor: DATAC

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
0.50 U	UG/L	Dichlorodifluoromethane	0.50 U	UG/L	Dibromochloromethane
0.50 U	UG/L	Chloromethane	0.50 U	UG/L	1,2-Dibromoethane (EDB)
0.50 U	UG/L	Vinyl Chloride	0.50 U	UG/L	Chlorobenzene
0.50 U	UG/L	Bromomethane	0.50 U	UG/L	Ethyl Benzene
0.50 U	UG/L	Chloroethane	0.50 U	UG/L	Total Xylenes
0.50 U	UG/L	Trichlorofluoromethane (Freon 11)	0.50 U	UG/L	Styrene
0.50 U	UG/L	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50 U	UG/L	Bromoform
0.50 U	UG/L	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50 U	UG/L	Isopropylbenzene
28	UG/L	Acetone	0.50 U	UG/L	1,1,2,2-Tetrachloroethane
0.50 U	UG/L	Carbon Disulfide	0.50 U	UG/L	1,3-Dichlorobenzene
0.50 UR	UG/L	Methyl Acetate	0.50 U	UG/L	1,4-Dichlorobenzene
0.50 U	UG/L	Methylene Chloride	0.50 U	UG/L	1,2-Dichlorobenzene
0.50 U	UG/L	trans-1,2-Dichloroethene	0.50 U	UG/L	1,2-Dibromo-3-Chloropropane (DBCP)
0.50 U	UG/L	Methyl T-Butyl Ether (MTBE)	0.50 U	UG/L	1,2,4-Trichlorobenzene
0.50 U	UG/L	1,1-Dichloroethane	0.50 U	UG/L	1,2,3-Trichlorobenzene
0.50 U	UG/L	cis-1,2-Dichloroethene			
15	UG/L	Methyl Ethyl Ketone			
0.50 U	UG/L	Bromochloromethane			
0.50 U	UG/L	Chloroform			
0.50 U	UG/L	1,1,1-Trichloroethane			
0.50 U	UG/L	Cyclohexane			
0.50 U	UG/L	Carbon Tetrachloride			
0.50 U	UG/L	Benzene			
0.50 U	UG/L	1,2-Dichloroethane			
0.50 U	UG/L	Trichloroethane (Trichloroethylene)			
0.50 U	UG/L	Methylcyclohexane			
0.50 U	UG/L	1,2-Dichloropropane			
0.50 U	UG/L	Bromodichloromethane			
0.50 U	UG/L	cis-1,3-Dichloropropene			
5.0 U	UG/L	Methyl Isobutyl Ketone			
0.50 U	UG/L	Toluene			
0.50 U	UG/L	trans-1,3-Dichloropropene			
0.50 U	UG/L	1,1,2-Trichloroethane			
0.50 U	UG/L	Tetrachloroethene (Tetrachloroethylene)			
5.0 U	UG/L	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS**EPA - REGION IV SEDS, ATHENS, GA****Production Date: 10/18/2004 17:22**

Sample 10437 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

MISCELLANEOUS COMPOUNDS

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 12:00

Id/Station: MG008GW /

Ending:

Media: GROUNDWATER

D No: 2S33

Org Contractor: DATAC

RESULTS	UNITS	ANALYTE
2.2 JN	UG/L	METHANE, ISOCYANO-

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10431 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG002SE /

MD No: 2S28

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S28

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:40

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
500 UJ	UG/KG	Benzaldehyde	500 U	UG/KG	Dibenzofuran
500 U	UG/KG	Phenol	500 U	UG/KG	2,4-Dinitrotoluene
500 U	UG/KG	bis(2-Chloroethyl) Ether	500 U	UG/KG	Diethyl Phthalate
500 U	UG/KG	2-Chlorophenol	500 U	UG/KG	Fluorene
500 U	UG/KG	2-Methylphenol	500 U	UG/KG	4-Chlorophenyl Phenyl Ether
500 U	UG/KG	bis(2-Chloroisopropyl) Ether	1200 U	UG/KG	4-Nitroaniline
500 U	UG/KG	Acetophenone	1200 U	UG/KG	2-Methyl-4,6-Dinitrophenol
500 U	UG/KG	(3-and/or 4-)Methylphenol	500 U	UG/KG	n-Nitrosodiphenylamine/Diphenylamine
500 U	UG/KG	n-Nitroso di-n-Propylamine	NA	UG/KG	1,2,4,5-Tetrachlorobenzene
500 U	UG/KG	Hexachloroethane	500 U	UG/KG	4-Bromophenyl Phenyl Ether
500 U	UG/KG	Nitrobenzene	500 U	UG/KG	Hexachlorobenzene (HCB)
500 UJ	UG/KG	Isophorone	500 U	UG/KG	Atrazine
500 U	UG/KG	2-Nitrophenol	1200 U	UG/KG	Pentachlorophenol
500 U	UG/KG	2,4-Dimethylphenol	500 U	UG/KG	Phenanthrene
500 U	UG/KG	bis(2-Chloroethoxy)Methane	83 J	UG/KG	Anthracene
500 UJ	UG/KG	2,4-Dichlorophenol	500 U	UG/KG	Carbazole
500 U	UG/KG	Naphthalene	500 U	UG/KG	Di-n-Butylphthalate
500 UJ	UG/KG	4-Chloroaniline	500 U	UG/KG	Fluoranthene
500 U	UG/KG	Hexachlorobutadiene	500 U	UG/KG	Pyrene
500 U	UG/KG	Caprolactam	500 U	UG/KG	Benzyl Butyl Phthalate
500 U	UG/KG	4-Chloro-3-Methylphenol	500 U	UG/KG	3,3'-Dichlorobenzidine
500 U	UG/KG	2-Methylnaphthalene	500 U	UG/KG	Benzo(a)Anthracene
500 UJ	UG/KG	Hexachlorocyclopentadiene (HCCP)	500 U	UG/KG	Chrysene
500 U	UG/KG	2,4,6-Trichlorophenol	500 U	UG/KG	bis(2-Ethylhexyl) Phthalate
1200 U	UG/KG	2,4,5-Trichlorophenol	500 U	UG/KG	Di-n-Octylphthalate
500 U	UG/KG	1,1-Biphenyl	500 U	UG/KG	Benzo(b)Fluoranthene
500 U	UG/KG	2-Chloronaphthalene	500 UJ	UG/KG	Benzo(k)Fluoranthene
1200 U	UG/KG	2-Nitroaniline	500 U	UG/KG	Benzo-a-Pyrene
500 U	UG/KG	Dimethyl Phthalate	500 U	UG/KG	Indeno (1,2,3-cd) Pyrene
500 U	UG/KG	2,6-Dinitrotoluene	500 U	UG/KG	Dibenzo(a,h)Anthracene
500 U	UG/KG	Acenaphthylene	500 U	UG/KG	Benzo(ghi)Perylene
1200 U	UG/KG	3-Nitroaniline	34	%	% Moisture
500 U	UG/KG	Acenaphthene			
1200 UJ	UG/KG	2,4-Dinitrophenol			
1200 U	UG/KG	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
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L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10431 FY 2004 Project: 04-0920

MISCELLANEOUS COMPOUNDS

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG002SE /

MD No: 2S28

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S28

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:40

Ending:

RESULTS	UNITS	ANALYTE
480 JN	UG/KG	ANTHRONE
980 JN	UG/KG	9,10-ANTHRACENEDIONE
330 J	UG/KG	3 UNKNOWN

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10435 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG006SE /

MD No: 2S32

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S32

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
570 UJ	UG/KG	Benzaldehyde	570 U	UG/KG	Dibenzofuran
570 U	UG/KG	Phenol	570 U	UG/KG	2,4-Dinitrotoluene
570 U	UG/KG	bis(2-Chloroethyl) Ether	570 U	UG/KG	Diethyl Phthalate
570 U	UG/KG	2-Chlorophenol	570 U	UG/KG	Fluorene
570 U	UG/KG	2-Methylphenol	570 U	UG/KG	4-Chlorophenyl Phenyl Ether
570 U	UG/KG	bis(2-Chloroisopropyl) Ether	1400 U	UG/KG	4-Nitroaniline
570 U	UG/KG	Acetophenone	1400 U	UG/KG	2-Methyl-4,6-Dinitrophenol
570 U	UG/KG	(3-and/or 4-)Methylphenol	570 U	UG/KG	n-Nitrosodiphenylamine/Diphenylamine
570 U	UG/KG	n-Nitroso di-n-Propylamine	NA	UG/KG	1,2,4,5-Tetrachlorobenzene
570 U	UG/KG	Hexachloroethane	570 U	UG/KG	4-Bromophenyl Phenyl Ether
570 U	UG/KG	Nitrobenzene	570 U	UG/KG	Hexachlorobenzene (HCB)
570 UJ	UG/KG	Isophorone	570 U	UG/KG	Atrazine
570 U	UG/KG	2-Nitrophenol	1400 U	UG/KG	Pentachlorophenol
570 U	UG/KG	2,4-Dimethylphenol	570 U	UG/KG	Phenanthrene
570 U	UG/KG	bis(2-Chloroethoxy)Methane	570 U	UG/KG	Anthracene
570 UJ	UG/KG	2,4-Dichlorophenol	570 U	UG/KG	Carbazole
570 U	UG/KG	Naphthalene	570 U	UG/KG	Di-n-Butylphthalate
570 UJ	UG/KG	4-Chloroaniline	570 U	UG/KG	Fluoranthene
570 U	UG/KG	Hexachlorobutadiene	570 U	UG/KG	Pyrene
570 U	UG/KG	Caprolactam	570 U	UG/KG	Benzyl Butyl Phthalate
570 U	UG/KG	4-Chloro-3-Methylphenol	570 U	UG/KG	3,3'-Dichlorobenzidine
570 U	UG/KG	2-Methylnaphthalene	570 U	UG/KG	Benzo(a)Anthracene
570 UJ	UG/KG	Hexachlorocyclopentadiene (HCCP)	570 U	UG/KG	Chrysene
570 U	UG/KG	2,4,6-Trichlorophenol	570 U	UG/KG	bis(2-Ethylhexyl) Phthalate
1400 U	UG/KG	2,4,5-Trichlorophenol	570 U	UG/KG	Di-n-Octylphthalate
570 U	UG/KG	1,1-Biphenyl	570 U	UG/KG	Benzo(b)Fluoranthene
570 U	UG/KG	2-Chloronaphthalene	570 UJ	UG/KG	Benzo(k)Fluoranthene
1400 U	UG/KG	2-Nitroaniline	570 U	UG/KG	Benzo-a-Pyrene
570 U	UG/KG	Dimethyl Phthalate	570 U	UG/KG	Indeno (1,2,3-cd) Pyrene
570 U	UG/KG	2,6-Dinitrotoluene	570 U	UG/KG	Dibenzo(a,h)Anthracene
570 U	UG/KG	Acenaphthylene	570 U	UG/KG	Benzo(ghi)Perylene
1400 U	UG/KG	3-Nitroaniline	42	%	% Moisture
570 U	UG/KG	Acenaphthene			
1400 UJ	UG/KG	2,4-Dinitrophenol			
1400 U	UG/KG	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10435 FY 2004 Project: 04-0920

MISCELLANEOUS COMPOUNDS

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG006SE /

MD No: 2S32

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S32

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE
2900 J	UG/KG	7 UNKNOWN
670 JN	UG/KG	1,1'-BIPHENYL, BIS(1-METHYLETHO-
260 JN	UG/KG	.GAMMA.SITOSTROL
N	UG/KG	PETROLEUM PRODUCT

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
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NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10431 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG002SE /

MD No: 2S28

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S28

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:40

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.6 UJ	UG/KG	alpha-BHC
2.6 U	UG/KG	beta-BHC
2.6 UJ	UG/KG	delta-BHC
2.6 UJ	UG/KG	gamma-BHC (Lindane)
2.6 U	UG/KG	Heptachlor
2.6 U	UG/KG	Aldrin
2.6 U	UG/KG	Heptachlor Epoxide
2.6 U	UG/KG	Endosulfan I (alpha)
4.9 U	UG/KG	Dieldrin
4.9 U	UG/KG	4,4'-DDE (p,p'-DDE)
4.9 U	UG/KG	Endrin
4.9 U	UG/KG	Endosulfan II (beta)
4.9 U	UG/KG	4,4'-DDD (p,p'-DDD)
4.9 U	UG/KG	Endosulfan Sulfate
4.9 U	UG/KG	4,4'-DDT (p,p'-DDT)
25 U	UG/KG	Methoxychlor
4.9 U	UG/KG	Endrin Ketone
4.9 U	UG/KG	Endrin Aldehyde
2.6 U	UG/KG	alpha-Chlordane /2
2.6 U	UG/KG	gamma-Chlordane /2
250 U	UG/KG	Toxaphene
49 U	UG/KG	PCB-1016 (Aroclor 1016)
100 U	UG/KG	PCB-1221 (Aroclor 1221)
49 U	UG/KG	PCB-1232 (Aroclor 1232)
49 U	UG/KG	PCB-1242 (Aroclor 1242)
49 U	UG/KG	PCB-1248 (Aroclor 1248)
49 U	UG/KG	PCB-1254 (Aroclor 1254)
49 U	UG/KG	PCB-1260 (Aroclor 1260)
34	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.

N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.

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R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10435 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG006SE /

MD No: 2S32

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S32

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.9 UJ	UG/KG	alpha-BHC
2.9 U	UG/KG	beta-BHC
2.9 UJ	UG/KG	delta-BHC
2.9 UJ	UG/KG	gamma-BHC (Lindane)
2.9 U	UG/KG	Heptachlor
2.9 U	UG/KG	Aldrin
2.9 U	UG/KG	Heptachlor Epoxide
2.9 U	UG/KG	Endosulfan I (alpha)
5.7 U	UG/KG	Dieldrin
5.7 U	UG/KG	4,4'-DDE (p,p'-DDE)
5.7 U	UG/KG	Endrin
5.7 U	UG/KG	Endosulfan II (beta)
5.7 U	UG/KG	4,4'-DDD (p,p'-DDD)
5.7 U	UG/KG	Endosulfan Sulfate
5.7 U	UG/KG	4,4'-DDT (p,p'-DDT)
29 U	UG/KG	Methoxychlor
5.7 U	UG/KG	Endrin Ketone
5.7 U	UG/KG	Endrin Aldehyde
2.9 U	UG/KG	alpha-Chlordane /2
2.9 U	UG/KG	gamma-Chlordane /2
290 U	UG/KG	Toxaphene
57 U	UG/KG	PCB-1016 (Aroclor 1016)
110 U	UG/KG	PCB-1221 (Aroclor 1221)
57 U	UG/KG	PCB-1232 (Aroclor 1232)
57 U	UG/KG	PCB-1242 (Aroclor 1242)
57 U	UG/KG	PCB-1248 (Aroclor 1248)
57 U	UG/KG	PCB-1254 (Aroclor 1254)
57 U	UG/KG	PCB-1260 (Aroclor 1260)
42	%	% Moisture

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 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10431 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

Volatiles Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:40

Id/Station: MG002SE /

MD No: 2S28

Inorg Contractor: LIBRTY

Ending:

Media: SEDIMENT

D No: 2S28

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
15 UJ	UG/KG	Dichlorodifluoromethane	15 U	UG/KG	Dibromochloromethane
15 U	UG/KG	Chloromethane	15 U	UG/KG	1,2-Dibromoethane (EDB)
15 U	UG/KG	Vinyl Chloride	13 J	UG/KG	Chlorobenzene
15 U	UG/KG	Bromomethane	15 U	UG/KG	Ethyl Benzene
15 UJ	UG/KG	Chloroethane	15 U	UG/KG	Total Xylenes
15 U	UG/KG	Trichlorofluoromethane (Freon 11)	15 U	UG/KG	Styrene
15 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	15 U	UG/KG	Bromoform
15 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	15 U	UG/KG	Isopropylbenzene
57	UG/KG	Acetone	15 U	UG/KG	1,1,2,2-Tetrachloroethane
15 U	UG/KG	Carbon Disulfide	4 J	UG/KG	1,3-Dichlorobenzene
15 U	UG/KG	Methyl Acetate	4 J	UG/KG	1,4-Dichlorobenzene
15 U	UG/KG	Methylene Chloride	15 U	UG/KG	1,2-Dichlorobenzene
15 U	UG/KG	trans-1,2-Dichloroethene	15 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
15 U	UG/KG	Methyl T-Butyl Ether (MTBE)	15 U	UG/KG	1,2,4-Trichlorobenzene
15 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
15 U	UG/KG	cis-1,2-Dichloroethene	34	%	% Moisture
17	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
15 U	UG/KG	Chloroform			
15 U	UG/KG	1,1,1-Trichloroethane			
15 U	UG/KG	Cyclohexane			
15 U	UG/KG	Carbon Tetrachloride			
15 U	UG/KG	Benzene			
15 U	UG/KG	1,2-Dichloroethane			
15 U	UG/KG	Trichloroethene (Trichloroethylene)			
15 U	UG/KG	Methylcyclohexane			
15 U	UG/KG	1,2-Dichloropropane			
15 U	UG/KG	Bromodichloromethane			
15 U	UG/KG	cis-1,3-Dichloropropene			
15 U	UG/KG	Methyl Isobutyl Ketone			
15 U	UG/KG	Toluene			
15 U	UG/KG	trans-1,3-Dichloropropene			
15 U	UG/KG	1,1,2-Trichloroethane			
15 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
15 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
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VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10435 FY 2004 Project: 04-0920

Volatiles Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG006SE /

MD No: 2S32

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S32

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
17 UJ	UG/KG	Dichlorodifluoromethane	17 U	UG/KG	Dibromochloromethane
17 U	UG/KG	Chloromethane	17 U	UG/KG	1,2-Dibromoethane (EDB)
17 U	UG/KG	Vinyl Chloride	17 U	UG/KG	Chlorobenzene
17 U	UG/KG	Bromomethane	17 U	UG/KG	Ethyl Benzene
17 UJ	UG/KG	Chloroethane	17 U	UG/KG	Total Xylenes
17 U	UG/KG	Trichlorofluoromethane (Freon 11)	17 U	UG/KG	Styrene
17 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	17 U	UG/KG	Bromoform
17 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	17 U	UG/KG	Isopropylbenzene
44	UG/KG	Acetone	17 U	UG/KG	1,1,2,2-Tetrachloroethane
17 U	UG/KG	Carbon Disulfide	17 U	UG/KG	1,3-Dichlorobenzene
17 U	UG/KG	Methyl Acetate	17 U	UG/KG	1,4-Dichlorobenzene
17 U	UG/KG	Methylene Chloride	17 U	UG/KG	1,2-Dichlorobenzene
17 U	UG/KG	trans-1,2-Dichloroethene	17 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
17 U	UG/KG	Methyl T-Butyl Ether (MTBE)	17 U	UG/KG	1,2,4-Trichlorobenzene
17 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
17 U	UG/KG	cis-1,2-Dichloroethene	42	%	% Moisture
17 U	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
17 U	UG/KG	Chloroform			
17 U	UG/KG	1,1,1-Trichloroethane			
17 U	UG/KG	Cyclohexane			
17 U	UG/KG	Carbon Tetrachloride			
17 U	UG/KG	Benzene			
17 U	UG/KG	1,2-Dichloroethane			
17 U	UG/KG	Trichloroethene (Trichloroethylene)			
17 U	UG/KG	Methylcyclohexane			
17 U	UG/KG	1,2-Dichloropropane			
17 U	UG/KG	Bromodichloromethane			
17 U	UG/KG	cis-1,3-Dichloropropene			
17 U	UG/KG	Methyl Isobutyl Ketone			
17 U	UG/KG	Toluene			
17 U	UG/KG	trans-1,3-Dichloropropene			
17 U	UG/KG	1,1,2-Trichloroethane			
17 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
17 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.

N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.

K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.

L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.

NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.

R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10432 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG003SO /

MD No: 2S29

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S29

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:05

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
440 UJ	UG/KG	Benzaldehyde	440 U	UG/KG	Dibenzofuran
440 U	UG/KG	Phenol	440 U	UG/KG	2,4-Dinitrotoluene
440 U	UG/KG	bis(2-Chloroethyl) Ether	440 U	UG/KG	Diethyl Phthalate
440 U	UG/KG	2-Chlorophenol	440 U	UG/KG	Fluorene
440 U	UG/KG	2-Methylphenol	440 U	UG/KG	4-Chlorophenyl Phenyl Ether
440 U	UG/KG	bis(2-Chloroisopropyl) Ether	1100 U	UG/KG	4-Nitroaniline
440 U	UG/KG	Acetophenone	1100 U	UG/KG	2-Methyl-4,6-Dinitrophenol
440 U	UG/KG	(3-and/or 4-)Methylphenol	440 U	UG/KG	n-Nitrosodiphenylamine/Diphenylamine
440 U	UG/KG	n-Nitroso di-n-Propylamine	NA	UG/KG	1,2,4,5-Tetrachlorobenzene
440 U	UG/KG	Hexachloroethane	440 U	UG/KG	4-Bromophenyl Phenyl Ether
440 U	UG/KG	Nitrobenzene	440 U	UG/KG	Hexachlorobenzene (HCB)
440 UJ	UG/KG	Isophorone	440 U	UG/KG	Atrazine
440 U	UG/KG	2-Nitrophenol	1100 U	UG/KG	Pentachlorophenol
440 U	UG/KG	2,4-Dimethylphenol	440 U	UG/KG	Phenanthrene
440 U	UG/KG	bis(2-Chloroethoxy)Methane	440 U	UG/KG	Anthracene
440 UJ	UG/KG	2,4-Dichlorophenol	440 U	UG/KG	Carbazole
440 U	UG/KG	Naphthalene	440 U	UG/KG	Di-n-Butylphthalate
440 UJ	UG/KG	4-Chloroaniline	440 U	UG/KG	Fluoranthene
440 U	UG/KG	Hexachlorobutadiene	440 U	UG/KG	Pyrene
440 U	UG/KG	Caprolactam	440 U	UG/KG	Benzyl Butyl Phthalate
440 U	UG/KG	4-Chloro-3-Methylphenol	440 U	UG/KG	3,3'-Dichlorobenzidine
440 U	UG/KG	2-Methylnaphthalene	440 U	UG/KG	Benzo(a)Anthracene
440 UJ	UG/KG	Hexachlorocyclopentadiene (HCCP)	440 U	UG/KG	Chrysene
440 U	UG/KG	2,4,6-Trichlorophenol	440 U	UG/KG	bis(2-Ethylhexyl) Phthalate
1100 U	UG/KG	2,4,5-Trichlorophenol	440 U	UG/KG	Di-n-Octylphthalate
440 U	UG/KG	1,1-Biphenyl	440 U	UG/KG	Benzo(b)Fluoranthene
440 U	UG/KG	2-Chloronaphthalene	440 UJ	UG/KG	Benzo(k)Fluoranthene
1100 U	UG/KG	2-Nitroaniline	440 U	UG/KG	Benzo-a-Pyrene
440 U	UG/KG	Dimethyl Phthalate	440 U	UG/KG	Indeno (1,2,3-cd) Pyrene
440 U	UG/KG	2,6-Dinitrotoluene	440 U	UG/KG	Dibenzo(a,h)Anthracene
440 U	UG/KG	Acenaphthylene	440 U	UG/KG	Benzo(ghi)Perylene
1100 U	UG/KG	3-Nitroaniline	25	%	% Moisture
440 U	UG/KG	Acenaphthene			
1100 UJ	UG/KG	2,4-Dinitrophenol			
1100 U	UG/KG	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10432 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

MISCELLANEOUS COMPOUNDS

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:05

Id/Station: MG003SO /

MD No: 2S29

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S29

Org Contractor: A4

RESULTS	UNITS	ANALYTE
830 J	UG/KG	2 UNKNOWN
N	UG/KG	PETROLEUM PRODUCT

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10433 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:20

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
370 UJ	UG/KG	Benzaldehyde	370 U	UG/KG	Dibenzofuran
370 U	UG/KG	Phenol	370 U	UG/KG	2,4-Dinitrotoluene
370 U	UG/KG	bis(2-Chloroethyl) Ether	370 U	UG/KG	Diethyl Phthalate
370 U	UG/KG	2-Chlorophenol	370 U	UG/KG	Fluorene
370 U	UG/KG	2-Methylphenol	370 U	UG/KG	4-Chlorophenyl Phenyl Ether
370 U	UG/KG	bis(2-Chloroisopropyl) Ether	930 U	UG/KG	4-Nitroaniline
370 U	UG/KG	Acetophenone	930 U	UG/KG	2-Methyl-4,6-Dinitrophenol
370 U	UG/KG	(3-and/or 4-)Methylphenol	370 U	UG/KG	n-Nitrosodiphenylamine/Diphenylamine
370 U	UG/KG	n-Nitroso di-n-Propylamine	NA	UG/KG	1,2,4,5-Tetrachlorobenzene
370 U	UG/KG	Hexachloroethane	370 U	UG/KG	4-Bromophenyl Phenyl Ether
370 U	UG/KG	Nitrobenzene	370 U	UG/KG	Hexachlorobenzene (HCB)
370 UJ	UG/KG	Isophorone	370 U	UG/KG	Atrazine
370 U	UG/KG	2-Nitrophenol	930 U	UG/KG	Pentachlorophenol
370 U	UG/KG	2,4-Dimethylphenol	370 U	UG/KG	Phenanthrene
370 U	UG/KG	bis(2-Chloroethoxy)Methane	370 U	UG/KG	Anthracene
370 UJ	UG/KG	2,4-Dichlorophenol	370 U	UG/KG	Carbazole
370 U	UG/KG	Naphthalene	370 U	UG/KG	Di-n-Butylphthalate
370 UJ	UG/KG	4-Chloroaniline	370 U	UG/KG	Fluoranthene
370 U	UG/KG	Hexachlorobutadiene	370 U	UG/KG	Pyrene
370 U	UG/KG	Caprolactam	370 U	UG/KG	Benzyl Butyl Phthalate
370 U	UG/KG	4-Chloro-3-Methylphenol	370 U	UG/KG	3,3'-Dichlorobenzidine
370 U	UG/KG	2-Methylnaphthalene	370 U	UG/KG	Benzo(a)Anthracene
370 UJ	UG/KG	Hexachlorocyclopentadiene (HCCP)	370 U	UG/KG	Chrysene
370 U	UG/KG	2,4,6-Trichlorophenol	370 U	UG/KG	bis(2-Ethylhexyl) Phthalate
930 U	UG/KG	2,4,5-Trichlorophenol	370 U	UG/KG	Di-n-Octylphthalate
370 U	UG/KG	1,1-Biphenyl	370 U	UG/KG	Benzo(b)Fluoranthene
370 U	UG/KG	2-Chloronaphthalene	370 UJ	UG/KG	Benzo(k)Fluoranthene
930 U	UG/KG	2-Nitroaniline	370 U	UG/KG	Benzo-a-Pyrene
370 U	UG/KG	Dimethyl Phthalate	370 U	UG/KG	Indeno (1,2,3-cd) Pyrene
370 U	UG/KG	2,6-Dinitrotoluene	370 U	UG/KG	Dibenzo(a,h)Anthracene
370 U	UG/KG	Acenaphthylene	370 U	UG/KG	Benzo(ghi)Perylene
930 U	UG/KG	3-Nitroaniline	11	%	% Moisture
370 U	UG/KG	Acenaphthene			
930 UJ	UG/KG	2,4-Dinitrophenol			
930 U	UG/KG	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10433 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

MISCELLANEOUS COMPOUNDS

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:20

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

RESULTS	UNITS	ANALYTE
1100 JN	UG/KG	CARYOPHYLLENE
600 JN	UG/KG	COPAENE
1600 J	UG/KG	4 UNKNOWN
14000 JN	UG/KG	CINNAMYL CINNAMATE
N	UG/KG	PETROLEUM PRODUCT

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10434 FY 2004 Project: 04-0920

Extractables Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
750 UJ	UG/KG	Benzaldehyde	750 U	UG/KG	Dibenzofuran
750 U	UG/KG	Phenol	750 U	UG/KG	2,4-Dinitrotoluene
750 U	UG/KG	bis(2-Chloroethyl) Ether	750 U	UG/KG	Diethyl Phthalate
750 U	UG/KG	2-Chlorophenol	750 U	UG/KG	Fluorene
750 U	UG/KG	2-Methylphenol	750 U	UG/KG	4-Chlorophenyl Phenyl Ether
750 U	UG/KG	bis(2-Chloroisopropyl) Ether	1900 U	UG/KG	4-Nitroaniline
750 U	UG/KG	Acetophenone	1900 U	UG/KG	2-Methyl-4,6-Dinitrophenol
750 U	UG/KG	(3-and/or 4-)Methylphenol	750 U	UG/KG	n-Nitrosodiphenylamine/Diphenylamine
750 U	UG/KG	n-Nitroso di-n-Propylamine	NA	UG/KG	1,2,4,5-Tetrachlorobenzene
750 U	UG/KG	Hexachloroethane	750 U	UG/KG	4-Bromophenyl Phenyl Ether
750 U	UG/KG	Nitrobenzene	750 U	UG/KG	Hexachlorobenzene (HCB)
750 UJ	UG/KG	Isophorone	750 U	UG/KG	Atrazine
750 U	UG/KG	2-Nitrophenol	1900 U	UG/KG	Pentachlorophenol
750 U	UG/KG	2,4-Dimethylphenol	750 U	UG/KG	Phenanthrene
750 U	UG/KG	bis(2-Chloroethoxy)Methane	750 U	UG/KG	Anthracene
750 UJ	UG/KG	2,4-Dichlorophenol	750 U	UG/KG	Carbazole
750 U	UG/KG	Naphthalene	750 U	UG/KG	Di-n-Butylphthalate
750 UJ	UG/KG	4-Chloroaniline	750 U	UG/KG	Fluoranthene
750 U	UG/KG	Hexachlorobutadiene	750 U	UG/KG	Pyrene
750 U	UG/KG	Caprolactam	750 U	UG/KG	Benzyl Butyl Phthalate
750 U	UG/KG	4-Chloro-3-Methylphenol	750 U	UG/KG	3,3'-Dichlorobenzidine
750 U	UG/KG	2-Methylnaphthalene	750 U	UG/KG	Benzo(a)Anthracene
750 UJ	UG/KG	Hexachlorocyclopentadiene (HCCP)	750 U	UG/KG	Chrysene
750 U	UG/KG	2,4,6-Trichlorophenol	750 U	UG/KG	bis(2-Ethylhexyl) Phthalate
1900 U	UG/KG	2,4,5-Trichlorophenol	750 U	UG/KG	Di-n-Octylphthalate
750 U	UG/KG	1,1-Biphenyl	750 U	UG/KG	Benzo(b)Fluoranthene
750 U	UG/KG	2-Chloronaphthalene	750 UJ	UG/KG	Benzo(k)Fluoranthene
1900 U	UG/KG	2-Nitroaniline	750 U	UG/KG	Benzo-a-Pyrene
750 U	UG/KG	Dimethyl Phthalate	750 U	UG/KG	Indeno (1,2,3-cd) Pyrene
750 U	UG/KG	2,6-Dinitrotoluene	750 U	UG/KG	Dibenzo(a,h)Anthracene
750 U	UG/KG	Acenaphthylene	750 U	UG/KG	Benzo(ghi)Perylene
1900 U	UG/KG	3-Nitroaniline	56	%	% Moisture
750 U	UG/KG	Acenaphthene			
1900 UJ	UG/KG	2,4-Dinitrophenol			
1900 U	UG/KG	4-Nitrophenol			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

EXTRACTABLES SAMPLE ANALYSIS**EPA - REGION IV SEDS, ATHENS, GA****Production Date: 10/18/2004 17:22**Sample **10434** FY **2004** Project: **04-0920**

Produced by: Appleby, Charlie

MISCELLANEOUS COMPOUNDS

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:30

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

RESULTS	UNITS	ANALYTE
6700 J	UG/KG	9 UNKNOWN
500 JN	UG/KG	COPAENE
300 JN	UG/KG	O-TERPHENYL
680 JN	UG/KG	I-HEPTADECENE
190 JN	UG/KG	TESTOSTERONE
N	UG/KG	PETROLEUM PRODUCT
350 J	UG/KG	UNKNOWN

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10432 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG003SO /

MD No: 2S29

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S29

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:05

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.2 UJ	UG/KG	alpha-BHC
2.2 U	UG/KG	beta-BHC
2.2 UJ	UG/KG	delta-BHC
2.2 UJ	UG/KG	gamma-BHC (Lindane)
2.2 U	UG/KG	Heptachlor
2.2 U	UG/KG	Aldrin
2.2 U	UG/KG	Heptachlor Epoxide
2.2 U	UG/KG	Endosulfan I (alpha)
4.4 U	UG/KG	Dieldrin
4.4 U	UG/KG	4,4'-DDE (p,p'-DDE)
4.4 U	UG/KG	Endrin
4.4 U	UG/KG	Endosulfan II (beta)
4.4 U	UG/KG	4,4'-DDD (p,p'-DDD)
4.4 U	UG/KG	Endosulfan Sulfate
4.4 U	UG/KG	4,4'-DDT (p,p'-DDT)
22 U	UG/KG	Methoxychlor
4.4 U	UG/KG	Endrin Ketone
4.4 U	UG/KG	Endrin Aldehyde
2.2 U	UG/KG	alpha-Chlordane /2
2.2 U	UG/KG	gamma-Chlordane /2
220 U	UG/KG	Toxaphene
44 U	UG/KG	PCB-1016 (Aroclor 1016)
88 U	UG/KG	PCB-1221 (Aroclor 1221)
44 U	UG/KG	PCB-1232 (Aroclor 1232)
44 U	UG/KG	PCB-1242 (Aroclor 1242)
44 U	UG/KG	PCB-1248 (Aroclor 1248)
44 U	UG/KG	PCB-1254 (Aroclor 1254)
44 U	UG/KG	PCB-1260 (Aroclor 1260)
25	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.
C- confirmed by GCMS | /1- when no value is reported, see chlordane constituents | /2- constituents or metabolites of technical chlordane

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10433 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:20

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1.9 UJ	UG/KG	alpha-BHC
1.9 U	UG/KG	beta-BHC
1.9 UJ	UG/KG	delta-BHC
1.9 UJ	UG/KG	gamma-BHC (Lindane)
1.9 U	UG/KG	Heptachlor
1.9 U	UG/KG	Aldrin
1.9 U	UG/KG	Heptachlor Epoxide
1.9 U	UG/KG	Endosulfan I (alpha)
3.7 U	UG/KG	Dieldrin
3.7 U	UG/KG	4,4'-DDE (p,p'-DDE)
3.7 U	UG/KG	Endrin
3.7 U	UG/KG	Endosulfan II (beta)
3.7 U	UG/KG	4,4'-DDD (p,p'-DDD)
3.7 U	UG/KG	Endosulfan Sulfate
3.7 U	UG/KG	4,4'-DDT (p,p'-DDT)
19 U	UG/KG	Methoxychlor
3.7 U	UG/KG	Endrin Ketone
3.7 U	UG/KG	Endrin Aldehyde
1.9 U	UG/KG	alpha-Chlordane /2
1.9 U	UG/KG	gamma-Chlordane /2
190 U	UG/KG	Toxaphene
37 U	UG/KG	PCB-1016 (Aroclor 1016)
75 U	UG/KG	PCB-1221 (Aroclor 1221)
37 U	UG/KG	PCB-1232 (Aroclor 1232)
37 U	UG/KG	PCB-1242 (Aroclor 1242)
37 U	UG/KG	PCB-1248 (Aroclor 1248)
37 U	UG/KG	PCB-1254 (Aroclor 1254)
37 U	UG/KG	PCB-1260 (Aroclor 1260)
11	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.
 C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2:constituents or metabolites of technical chlordane

PESTICIDES/PCB SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10434 FY 2004 Project: 04-0920

Pesticides & Aroclors Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
3.8 UJ	UG/KG	alpha-BHC
3.8 U	UG/KG	beta-BHC
3.8 UJ	UG/KG	delta-BHC
3.8 UJ	UG/KG	gamma-BHC (Lindane)
3.8 U	UG/KG	Heptachlor
3.8 U	UG/KG	Aldrin
3.8 U	UG/KG	Heptachlor Epoxide
3.8 U	UG/KG	Endosulfan I (alpha)
15 J	UG/KG	Dieldrin
7.4 U	UG/KG	4,4'-DDE (p,p'-DDE)
7.4 U	UG/KG	Endrin
7.4 U	UG/KG	Endosulfan II (beta)
7.4 U	UG/KG	4,4'-DDD (p,p'-DDD)
7.4 U	UG/KG	Endosulfan Sulfate
7.4 U	UG/KG	4,4'-DDT (p,p'-DDT)
38 U	UG/KG	Methoxychlor
7.4 U	UG/KG	Endrin Ketone
7.4 U	UG/KG	Endrin Aldehyde
3.8 U	UG/KG	alpha-Chlordane /2
3.8 U	UG/KG	gamma-Chlordane /2
380 U	UG/KG	Toxaphene
74 U	UG/KG	PCB-1016 (Aroclor 1016)
150 U	UG/KG	PCB-1221 (Aroclor 1221)
74 U	UG/KG	PCB-1232 (Aroclor 1232)
74 U	UG/KG	PCB-1242 (Aroclor 1242)
74 U	UG/KG	PCB-1248 (Aroclor 1248)
74 U	UG/KG	PCB-1254 (Aroclor 1254)
74 U	UG/KG	PCB-1260 (Aroclor 1260)
56	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.
C-confirmed by GCMS | /1-when no value is reported, see chlordane constituents | /2-constituents or metabolites of technical chlordane

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10432 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

Volatiles Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:05

Id/Station: MG003SO /

MD No: 2S29

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S29

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
13 UJ	UG/KG	Dichlorodifluoromethane	13 U	UG/KG	Dibromochloromethane
13 U	UG/KG	Chloromethane	13 U	UG/KG	1,2-Dibromoethane (EDB)
13 U	UG/KG	Vinyl Chloride	13 U	UG/KG	Chlorobenzene
13 U	UG/KG	Bromomethane	13 U	UG/KG	Ethyl Benzene
13 UJ	UG/KG	Chloroethane	13 U	UG/KG	Total Xylenes
13 U	UG/KG	Trichlorofluoromethane (Freon 11)	13 U	UG/KG	Styrene
13 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	13 U	UG/KG	Bromoform
13 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	13 U	UG/KG	Isopropylbenzene
13 U	UG/KG	Acetone	13 U	UG/KG	1,1,2,2-Tetrachloroethane
13 U	UG/KG	Carbon Disulfide	13 U	UG/KG	1,3-Dichlorobenzene
13 U	UG/KG	Methyl Acetate	13 U	UG/KG	1,4-Dichlorobenzene
13 U	UG/KG	Methylene Chloride	13 U	UG/KG	1,2-Dichlorobenzene
13 U	UG/KG	trans-1,2-Dichloroethene	13 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
13 U	UG/KG	Methyl T-Butyl Ether (MTBE)	13 U	UG/KG	1,2,4-Trichlorobenzene
13 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
13 U	UG/KG	cis-1,2-Dichloroethene	25	%	% Moisture
13 U	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
13 U	UG/KG	Chloroform			
13 U	UG/KG	1,1,1-Trichloroethane			
13 U	UG/KG	Cyclohexane			
13 U	UG/KG	Carbon Tetrachloride			
13 U	UG/KG	Benzene			
13 U	UG/KG	1,2-Dichloroethane			
13 U	UG/KG	Trichloroethene (Trichloroethylene)			
13 U	UG/KG	Methylcyclohexane			
13 U	UG/KG	1,2-Dichloropropane			
13 U	UG/KG	Bromodichloromethane			
13 U	UG/KG	cis-1,3-Dichloropropene			
13 U	UG/KG	Methyl Isobutyl Ketone			
13 U	UG/KG	Toluene			
13 U	UG/KG	trans-1,3-Dichloropropene			
13 U	UG/KG	1,1,2-Trichloroethane			
13 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
13 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10433 FY 2004 Project: 04-0920

Volatiles Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:20

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
11 UJ	UG/KG	Dichlorodifluoromethane	11 U	UG/KG	Dibromochloromethane
11 U	UG/KG	Chloromethane	11 U	UG/KG	1,2-Dibromoethane (EDB)
11 U	UG/KG	Vinyl Chloride	11 U	UG/KG	Chlorobenzene
11 U	UG/KG	Bromomethane	11 U	UG/KG	Ethyl Benzene
11 UJ	UG/KG	Chloroethane	11 U	UG/KG	Total Xylenes
11 U	UG/KG	Trichlorofluoromethane (Freon 11)	11 U	UG/KG	Styrene
11 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	11 U	UG/KG	Bromoform
11 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	11 U	UG/KG	Isopropylbenzene
11 U	UG/KG	Acetone	11 U	UG/KG	1,1,2,2-Tetrachloroethane
11 U	UG/KG	Carbon Disulfide	11 U	UG/KG	1,3-Dichlorobenzene
11 U	UG/KG	Methyl Acetate	11 U	UG/KG	1,4-Dichlorobenzene
11 U	UG/KG	Methylene Chloride	11 U	UG/KG	1,2-Dichlorobenzene
11 U	UG/KG	trans-1,2-Dichloroethene	11 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
11 U	UG/KG	Methyl T-Butyl Ether (MTBE)	11 U	UG/KG	1,2,4-Trichlorobenzene
11 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
11 U	UG/KG	cis-1,2-Dichloroethene	11	%	% Moisture
11 U	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
11 U	UG/KG	Chloroform			
11 U	UG/KG	1,1,1-Trichloroethane			
11 U	UG/KG	Cyclohexane			
11 U	UG/KG	Carbon Tetrachloride			
11 U	UG/KG	Benzene			
11 U	UG/KG	1,2-Dichloroethane			
11 U	UG/KG	Trichloroethene (Trichloroethylene)			
11 U	UG/KG	Methylcyclohexane			
11 U	UG/KG	1,2-Dichloropropane			
11 U	UG/KG	Bromodichloromethane			
11 U	UG/KG	cis-1,3-Dichloropropene			
11 U	UG/KG	Methyl Isobutyl Ketone			
11 U	UG/KG	Toluene			
11 U	UG/KG	trans-1,3-Dichloropropene			
11 U	UG/KG	1,1,2-Trichloroethane			
11 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
11 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10433 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

MISCELLANEOUS COMPOUNDS

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:20

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

RESULTS	UNITS	ANALYTE
95 JN	UG/KG	1R-ALPHA-PINENE

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10434 FY 2004 Project: 04-0920

Volatiles Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:30

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
23 UJ	UG/KG	Dichlorodifluoromethane	23 U	UG/KG	Dibromochloromethane
23 U	UG/KG	Chloromethane	23 U	UG/KG	1,2-Dibromoethane (EDB)
23 U	UG/KG	Vinyl Chloride	23 U	UG/KG	Chlorobenzene
23 U	UG/KG	Bromomethane	23 U	UG/KG	Ethyl Benzene
23 UJ	UG/KG	Chloroethane	23 U	UG/KG	Total Xylenes
23 U	UG/KG	Trichlorofluoromethane (Freon 11)	23 U	UG/KG	Styrene
23 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	23 U	UG/KG	Bromoform
23 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	23 U	UG/KG	Isopropylbenzene
23 U	UG/KG	Acetone	23 U	UG/KG	1,1,2,2-Tetrachloroethane
23 U	UG/KG	Carbon Disulfide	23 U	UG/KG	1,3-Dichlorobenzene
23 U	UG/KG	Methyl Acetate	23 U	UG/KG	1,4-Dichlorobenzene
23 U	UG/KG	Methylene Chloride	23 U	UG/KG	1,2-Dichlorobenzene
23 U	UG/KG	trans-1,2-Dichloroethene	23 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
23 U	UG/KG	Methyl T-Butyl Ether (MTBE)	23 U	UG/KG	1,2,4-Trichlorobenzene
23 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
23 U	UG/KG	cis-1,2-Dichloroethene	56	%	% Moisture
23 U	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
23 U	UG/KG	Chloroform			
23 U	UG/KG	1,1,1-Trichloroethane			
23 U	UG/KG	Cyclohexane			
23 U	UG/KG	Carbon Tetrachloride			
23 U	UG/KG	Benzene			
23 U	UG/KG	1,2-Dichloroethane			
23 U	UG/KG	Trichloroethene (Trichloroethylene)			
23 U	UG/KG	Methylcyclohexane			
23 U	UG/KG	1,2-Dichloropropane			
23 U	UG/KG	Bromodichloromethane			
23 U	UG/KG	cis-1,3-Dichloropropene			
23 U	UG/KG	Methyl Isobutyl Ketone			
23 U	UG/KG	Toluene			
23 U	UG/KG	trans-1,3-Dichloropropene			
23 U	UG/KG	1,1,2-Trichloroethane			
23 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
23 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.
 R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10434 FY 2004 Project: 04-0920

MISCELLANEOUS COMPOUNDS

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

Produced by: Appleby, Charlie

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:30

Ending:

RESULTS	UNITS	ANALYTE
110 JN	UG/KG	1R-ALPHA.-PINENE
30 JN	UG/KG	CARYOPHYLLENE

Data Reported as Identified by CLP Lab - IDs Not Verified

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

VOLATILES SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 10/18/2004 17:22

Sample 10436 FY 2004 Project: 04-0920

Produced by: Appleby, Charlie

Volatiles Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 12:00

Id/Station: MG009SO /

Ending:

Media: SURFACE SOIL

D No: 2S34

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE	RESULTS	UNITS	ANALYTE
10 UJ	UG/KG	Dichlorodifluoromethane	10 U	UG/KG	Dibromochloromethane
10 U	UG/KG	Chloromethane	10 U	UG/KG	1,2-Dibromoethane (EDB)
10 U	UG/KG	Vinyl Chloride	10 U	UG/KG	Chlorobenzene
10 U	UG/KG	Bromomethane	10 U	UG/KG	Ethyl Benzene
10 UJ	UG/KG	Chloroethane	10 U	UG/KG	Total Xylenes
10 U	UG/KG	Trichlorofluoromethane (Freon 11)	10 U	UG/KG	Styrene
10 U	UG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)	10 U	UG/KG	Bromoform
10 U	UG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	10 U	UG/KG	Isopropylbenzene
10 U	UG/KG	Acetone	10 U	UG/KG	1,1,2,2-Tetrachloroethane
10 U	UG/KG	Carbon Disulfide	10 U	UG/KG	1,3-Dichlorobenzene
10 U	UG/KG	Methyl Acetate	10 U	UG/KG	1,4-Dichlorobenzene
10 U	UG/KG	Methylene Chloride	10 U	UG/KG	1,2-Dichlorobenzene
10 U	UG/KG	trans-1,2-Dichloroethene	10 UR	UG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
10 U	UG/KG	Methyl T-Butyl Ether (MTBE)	10 U	UG/KG	1,2,4-Trichlorobenzene
10 U	UG/KG	1,1-Dichloroethane	NA	UG/KG	1,2,3-Trichlorobenzene
10 U	UG/KG	cis-1,2-Dichloroethene	0	%	% Moisture
10 U	UG/KG	Methyl Ethyl Ketone			
NA	UG/KG	Bromochloromethane			
10 U	UG/KG	Chloroform			
10 U	UG/KG	1,1,1-Trichloroethane			
10 U	UG/KG	Cyclohexane			
10 U	UG/KG	Carbon Tetrachloride			
10 U	UG/KG	Benzene			
10 U	UG/KG	1,2-Dichloroethane			
10 U	UG/KG	Trichloroethene (Trichloroethylene)			
10 U	UG/KG	Methylcyclohexane			
10 U	UG/KG	1,2-Dichloropropane			
10 U	UG/KG	Bromodichloromethane			
10 U	UG/KG	cis-1,3-Dichloropropene			
10 U	UG/KG	Methyl Isobutyl Ketone			
10 U	UG/KG	Toluene			
10 U	UG/KG	trans-1,3-Dichloropropene			
10 U	UG/KG	1,1,2-Trichloroethane			
10 U	UG/KG	Tetrachloroethene (Tetrachloroethylene)			
10 U	UG/KG	Methyl Butyl Ketone			

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
 N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
 K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
 L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
 NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
 R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10429 FY 2004 Project: 04-0920

Metals Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG007GW /

MD No: 2S26

Inorg Contractor: LIBRTY

Media: GROUNDWATER

Produced by: Goddard, Denise

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 12:00

Ending:

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
60 U	UG/L	Antimony
10 U	UG/L	Arsenic
200 U	UG/L	Barium
5.0 U	UG/L	Beryllium
5.0 U	UG/L	Cadmium
5000 U	UG/L	Calcium
10 U	UG/L	Chromium
50 U	UG/L	Cobalt
25 U	UG/L	Copper
100 U	UG/L	Iron
10 U	UG/L	Lead
5000 U	UG/L	Magnesium
15 U	UG/L	Manganese
0.20 U	UG/L	Total Mercury
40 U	UG/L	Nickel
5000 U	UG/L	Potassium
35 U	UG/L	Selenium
10 U	UG/L	Silver
5000 U	UG/L	Sodium
25 U	UG/L	Thallium
50 U	UG/L	Vanadium
60 U	UG/L	Zinc
NA	UG/L	Cyanide

Cyanide Analysis Not Requested

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10430 FY 2004 Project: 04-0920

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 12:00

Id/Station: MG001GW /

MD No: 2S27

Inorg Contractor: LIBRTY

Ending:

Media: GROUNDWATER

D No: 2S27

Org Contractor: DATAC

RESULTS	UNITS	ANALYTE
200 U	UG/L	Aluminum
3.1 UJ	UG/L	Antimony
10 U	UG/L	Arsenic
4.3 J	UG/L	Barium
5.0 U	UG/L	Beryllium
5.0 U	UG/L	Cadmium
22000	UG/L	Calcium
10 U	UG/L	Chromium
50 U	UG/L	Cobalt
25 U	UG/L	Copper
100 U	UG/L	Iron
4.5 J	UG/L	Lead
9000	UG/L	Magnesium
15 U	UG/L	Manganese
0.20 UJ	UG/L	Total Mercury
40 U	UG/L	Nickel
2300 J	UG/L	Potassium
35 U	UG/L	Selenium
10 U	UG/L	Silver
12000	UG/L	Sodium
25 U	UG/L	Thallium
50 U	UG/L	Vanadium
60 U	UG/L	Zinc
10 U	UG/L	Cyanide

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N- Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ- Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K- Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L- Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA- Not Analyzed. | NAI- Not Analyzed due to Interferences. | A- Analyte analyzed in replicate. Reported value is "average" of replicates.
R- Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10431 FY 2004 Project: 04-0920

Metals Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG002SE /

MD No: 2S28

Inorg Contractor: LIBRTY

Media: SEDIMENT

D No: 2S28

Org Contractor: A4

Produced by: Goddard, Denise

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:40

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
17000	MG/KG	Aluminum
0.53 UJ	MG/KG	Antimony
5.2	MG/KG	Arsenic
40	MG/KG	Barium
0.20 UJ	MG/KG	Beryllium
1.1	MG/KG	Cadmium
760 J	MG/KG	Calcium
24	MG/KG	Chromium
1.1 UJ	MG/KG	Cobalt
3.5 UJ	MG/KG	Copper
19000	MG/KG	Iron
17	MG/KG	Lead
720 J	MG/KG	Magnesium
34	MG/KG	Manganese
0.15 U	MG/KG	Total Mercury
4.1 J	MG/KG	Nickel
530 J	MG/KG	Potassium
2.3 UJ	MG/KG	Selenium
0.15 R	MG/KG	Silver
130 UJ	MG/KG	Sodium
3.8 U	MG/KG	Thallium
38	MG/KG	Vanadium
30	MG/KG	Zinc
1.8 UJ	MG/KG	Cyanide
35	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10432 FY 2004 Project: 04-0920

Metals Scan

Facility: McGraw Auto Salvage

Hardeeville, SC

Program: SF

Case No: 33327

Id/Station: MG003SO /

MD No: 2S29

Inorg Contractor: LIBRTY

Media: SURFACE SOIL

D No: 2S29

Org Contractor: A4

Produced by: Goddard, Denise

Requestor:

Project Leader: WJOYNER

Beginning: 09/14/2004 11:05

Ending:

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1700	MG/KG	Aluminum
0.29 UJ	MG/KG	Antimony
1.0 J	MG/KG	Arsenic
21 J	MG/KG	Barium
0.08 UJ	MG/KG	Beryllium
0.64 U	MG/KG	Cadmium
480 J	MG/KG	Calcium
2.1	MG/KG	Chromium
0.12 UJ	MG/KG	Cobalt
0.47 UJ	MG/KG	Copper
1100	MG/KG	Iron
8.2	MG/KG	Lead
160 J	MG/KG	Magnesium
3.2	MG/KG	Manganese
0.03 UJ	MG/KG	Total Mercury
0.63 J	MG/KG	Nickel
42 J	MG/KG	Potassium
0.33 UJ	MG/KG	Selenium
0.07 R	MG/KG	Silver
63 UJ	MG/KG	Sodium
3.2 U	MG/KG	Thallium
3.4 UJ	MG/KG	Vanadium
2.3 UJ	MG/KG	Zinc
3.2 U	MG/KG	Cyanide
22	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10433 FY 2004 Project: 04-0920

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:20

Id/Station: MG004SO /

MD No: 2S30

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S30

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
1500	MG/KG	Aluminum
0.29 UJ	MG/KG	Antimony
0.38 R	MG/KG	Arsenic
7.3 J	MG/KG	Barium
0.03 UJ	MG/KG	Beryllium
2.9	MG/KG	Cadmium
47 UJ	MG/KG	Calcium
1.7	MG/KG	Chromium
0.16 UJ	MG/KG	Cobalt
0.44 UJ	MG/KG	Copper
580	MG/KG	Iron
2.2	MG/KG	Lead
34 J	MG/KG	Magnesium
3.0	MG/KG	Manganese
0.11 U	MG/KG	Total Mercury
0.77 J	MG/KG	Nickel
25 J	MG/KG	Potassium
3.9 U	MG/KG	Selenium
0.07 R	MG/KG	Silver
48 UJ	MG/KG	Sodium
2.8 U	MG/KG	Thallium
2.1 UJ	MG/KG	Vanadium
4.0 UJ	MG/KG	Zinc
2.8 U	MG/KG	Cyanide
11	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SEDS, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10434 FY 2004 Project: 04-0920

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 11:30

Id/Station: MG005SO /

MD No: 2S31

Inorg Contractor: LIBRTY

Ending:

Media: SURFACE SOIL

D No: 2S31

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
14000	MG/KG	Aluminum
13 UJ	MG/KG	Antimony
1.9 J	MG/KG	Arsenic
86	MG/KG	Barium
0.78 UJ	MG/KG	Beryllium
2.6	MG/KG	Cadmium
750 J	MG/KG	Calcium
14	MG/KG	Chromium
0.61 UJ	MG/KG	Cobalt
3.0 UJ	MG/KG	Copper
2900	MG/KG	Iron
27	MG/KG	Lead
290 J	MG/KG	Magnesium
6.9	MG/KG	Manganese
0.11 UJ	MG/KG	Total Mercury
3.7 J	MG/KG	Nickel
240 J	MG/KG	Potassium
1.5 UJ	MG/KG	Selenium
0.21 R	MG/KG	Silver
170 UJ	MG/KG	Sodium
5.3 U	MG/KG	Thallium
12	MG/KG	Vanadium
46	MG/KG	Zinc
5.3 U	MG/KG	Cyanide
53	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 11/02/2004 16:43

Sample 10435 FY 2004 Project: 04-0920

Produced by: Goddard, Denise

Metals Scan

Requestor:

Facility: McGraw Auto Salvage

Hardeeville, SC

Project Leader: WJOYNER

Program: SF

Case No: 33327

Beginning: 09/14/2004 12:00

Id/Station: MG006SE /

MD No: 2S32

Inorg Contractor: LIBRTY

Ending:

Media: SEDIMENT

D No: 2S32

Org Contractor: A4

DATA REPORTED ON DRY WEIGHT BASIS

RESULTS	UNITS	ANALYTE
7200	MG/KG	Aluminum
0.34 UJ	MG/KG	Antimony
2.0	MG/KG	Arsenic
17 J	MG/KG	Barium
0.06 UJ	MG/KG	Beryllium
0.30 J	MG/KG	Cadmium
540 J	MG/KG	Calcium
7.4	MG/KG	Chromium
0.23 UJ	MG/KG	Cobalt
2.7 UJ	MG/KG	Copper
3900	MG/KG	Iron
13	MG/KG	Lead
260 J	MG/KG	Magnesium
260 J	MG/KG	Manganese
0.02 UJ	MG/KG	Total Mercury
1.3 J	MG/KG	Nickel
150 J	MG/KG	Potassium
0.52 UJ	MG/KG	Selenium
0.10 R	MG/KG	Silver
70 UJ	MG/KG	Sodium
4.2 U	MG/KG	Thallium
12	MG/KG	Vanadium
28	MG/KG	Zinc
4.2 U	MG/KG	Cyanide
41	%	% Moisture

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.

N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.

K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.

L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.

NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.

R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.